Reuse Lab Report Summary Sheet:

Date Analytical Report Received	Lab Report Number
10/29/2021	180-128923-2
11/3/2021	180-128974-2
11/4/2021	180-129110-2
11/5/2021	180-128923-1
11/8/2021	180-128974-1
11/9/2021	180-129110-1
11/9/2021	180-129207-1
11/9/2021	180-129327-2
11/9/2021	180-129393-2
11/9/2021	180-129462-2
11/11/2021	180-129327-1
11/11/2021	180-129393-1
11/11/2021	180-129462-1
11/12/2021	180-129572-2
11/15/2021	180-129572-1
11/16/2021	180-129639-1
11/16/2021	180-129639-2
11/16/2021	180-129746-2
11/18/2021	180-129746-1
11/19/2021	180-129952-2
11/22/2021	180-130004-2
11/22/2021	180-130057-2
11/23/2021	180-129952-1
11/24/2021	180-130004-1
11/24/2021	180-130057-1
11/26/2021	180-130126-1
11/26/2021	180-130126-2
11/26/2021	180-130216-2
11/29/2021	180-130216-1
1/11/2022	180-131934-2
1/11/2022	180-132006-2
1/12/2022	180-131934-1
1/13/2022	180-132006-1
1/17/2022	180-132142-2
1/17/2022	180-132196-2

1/17/2022	180-132252-2
1/18/2022	180-132142-1
1/20/2022	180-132196-1
1/20/2022	180-132252-1
1/21/2022	180-132316-2
1/24/2022	180-132316-1
1/25/2022	180-132484-1
1/27/2022	180-132484-2
2/1/2022	180-132590-1
2/15/2022	180-133346-2
2/16/2022	180-133346-1
2/17/2022	180-133533-1
2/18/2022	180-133533-2
2/21/2022	180-133611-2
2/23/2022	180-133611-1
2/28/2022	180-134147-2
3/1/2022	180-134244-2
3/4/2022	180-134147-1
3/4/2022	180-134244-1
3/7/2022	180-134308-1
3/7/2022	180-134308-2
3/11/2022	180-134729-2
3/14/2022	180-134729-1
3/16/2022	180-134842-1
3/16/2022	180-134842-2
1/30/2023	180-129207-2
4/5/2023	180-154088-2
4/6/2023	180-154190-2
4/17/2023	180-154088-1
4/20/2023	180-154712-2
4/25/2023	180-154190-1
5/4/2023	180-154712-1
5/20/2023	180-155685-2
5/25/2023	180-155685-1
6/7/2023	180-157083-2
6/15/2023	180-157083-1
9/14/2023	180-161819-2
10/14/2023	180-161819-1

10/18/2023	180-163311-2
10/24/2023	180-163311-1

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-128923-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
10/29/2021 11:01:52 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

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

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

PA Lab ID: 02-00416

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

Job ID: 180-128923-2

Job ID: 180-128923-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128923-2

Comments
Notation was made to the coc regarding a sample collection time.

Receipt
The samples were received on 10/23/21 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 5.6º C and 5.8º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A1-A1C (180-128923-1), SSHS-IRM5A2-A1-A5C (180-128923-13), and SSHS-IRM5A2-A1-A9C (180-128923-25). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

Method 537 (modified): The matrix spike duplicate (MSD) recovery of sample SSHS-IRM5A2-A1-A9C (180-128923-25) was above the control limits for Perfluorooctanesulfonic acid (PFOS). The RPD between the spikes was also above the control limits. The recovery of the laboratory control sample (LCS) was within the control limits.

Method 537 (modified): The transition mass ratio was outside of the established ratio limit for Perfluorodecanesulfonic acid (PFDS) in (CCVL 320-537313/2) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged data is in control in the low level continuing calibration verification (CCVL), there is no adverse impact to the data.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-128923-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128923-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

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

Sample Summary

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

Job ID: 180-128923-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128923-1	SSHS-IRM5A2-A1-A1C	Solid	10/22/21 13:30	10/23/21 10:30
180-128923-4	SSHS-IRM5A2-A1-A2C	Solid	10/22/21 13:25	10/23/21 10:30
180-128923-7	SSHS-IRM5A2-A1-A3C	Solid	10/22/21 13:50	10/23/21 10:30
180-128923-10	SSHS-IRM5A2-A1-A4C	Solid	10/22/21 14:45	10/23/21 10:30
180-128923-13	SSHS-IRM5A2-A1-A5C	Solid	10/22/21 15:00	10/23/21 10:30
180-128923-16	SSHS-IRM5A2-A1-A6C	Solid	10/22/21 15:10	10/23/21 10:30
180-128923-19	SSHS-IRM5A2-A1-A7C	Solid	10/22/21 17:10	10/23/21 10:30
180-128923-22	SSHS-IRM5A2-A1-A8C	Solid	10/22/21 17:30	10/23/21 10:30
180-128923-25	SSHS-IRM5A2-A1-A9C	Solid	10/22/21 17:50	10/23/21 10:30

Method Summary

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

Job ID: 180-128923-2

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A1C

Lab Sample ID: 180-128923-1
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	537071	10/25/21 18:29	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 15:31	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A2C

Lab Sample ID: 180-128923-4
Date Collected: 10/22/21 13:25
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	537071	10/25/21 18:29	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 15:42	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A3C

Lab Sample ID: 180-128923-7
Date Collected: 10/22/21 13:50
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	537071	10/25/21 18:29	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 15:52	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A4C

Lab Sample ID: 180-128923-10
Date Collected: 10/22/21 14:45
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.0 mL	537071	10/25/21 18:29	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 16:24	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A5C

Lab Sample ID: 180-128923-13
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 52.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	537071	10/25/21 18:29	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 16:34	RS1	TAL SAC
	Instrument ID: A13									

Lab Chronicle

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A6C
Lab Sample ID: 180-128923-16
Date Collected: 10/22/21 15:10
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	537071	10/25/21 19:47	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 16:44	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A7C
Lab Sample ID: 180-128923-19
Date Collected: 10/22/21 17:10
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	537071	10/25/21 19:47	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 16:55	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A8C
Lab Sample ID: 180-128923-22
Date Collected: 10/22/21 17:30
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.41 g	10.0 mL	537071	10/25/21 19:47	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 17:05	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A9C
Lab Sample ID: 180-128923-25
Date Collected: 10/22/21 17:50
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.45 g	10.0 mL	537071	10/25/21 19:47	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			537318	10/26/21 17:16	RS1	TAL SAC
	Instrument ID: A13									

Laboratory References:

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

Analyst References:

Lab: TAL SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A1C
Date Collected: 10/22/21 13:30
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-1
Matrix: Solid
Percent Solids: 85.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.087**	**J**	0.22	0.051	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.035	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluoroheptanoic acid (PFHpA)	**0.049**	**J I**	0.22	0.042	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.22	0.059	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorononanoic acid (PFNA)	**0.030**	**J**	0.22	0.025	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorooctanesulfonic acid (PFOS)	**0.20**	**J**	0.22	0.048	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1
8:2 FTS	**0.046**	**J**	0.22	0.039	ug/Kg	☼	10/25/21 18:29	10/26/21 15:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C5 PFPeA	*84*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C2 PFHxA	*82*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C4 PFHpA	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C4 PFOA	*87*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C2 PFDA	*84*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C2 PFUnA	*89*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C2 PFDoA	*87*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C3 PFBS	*71*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
18O2 PFHxS	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C4 PFOS	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
13C8 FOSA	*82*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*
M2-8:2 FTS	*70*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:31*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A2C
Date Collected: 10/22/21 13:25
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-4
Matrix: Solid
Percent Solids: 84.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.092**	**J**	0.23	0.052	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluoropentanoic acid (PFPeA)	**0.051**	**J**	0.23	0.046	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorohexanoic acid (PFHxA)	**0.040**	**J**	0.23	0.035	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.23	0.060	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorononanoic acid (PFNA)	**0.035**	**J**	0.23	0.025	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**	**J**	0.23	0.048	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	10/25/21 18:29	10/26/21 15:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C5 PFPeA	*74*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C2 PFHxA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C4 PFHpA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C4 PFOA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C5 PFNA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C2 PFDA	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C2 PFUnA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C2 PFDoA	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C3 PFBS	*67*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
18O2 PFHxS	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C4 PFOS	*70*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
13C8 FOSA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:42*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A3C
Date Collected: 10/22/21 13:50
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-7
Matrix: Solid
Percent Solids: 85.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.098**	**J**	0.22	0.052	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluoropentanoic acid (PFPeA)	**0.046**	**J**	0.22	0.046	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorohexanoic acid (PFHxA)	**0.043**	**J**	0.22	0.035	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.043	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorooctanoic acid (PFOA)	**0.14**	**J**	0.22	0.059	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.034	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.024	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.043	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorooctanesulfonic acid (PFOS)	**0.24**		0.22	0.048	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/25/21 18:29	10/26/21 15:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C5 PFPeA	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C2 PFHxA	*86*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C4 PFOA	*88*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C5 PFNA	*82*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C2 PFDA	*82*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C2 PFUnA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C2 PFDoA	*90*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
18O2 PFHxS	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C4 PFOS	*75*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
13C8 FOSA	*86*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*10/25/21 18:29*	*10/26/21 15:52*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A4C

Date Collected: 10/22/21 14:45
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-10

Matrix: Solid
Percent Solids: 88.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.084**	**J**	0.22	0.051	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J**	0.22	0.034	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.22	0.059	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorononanoic acid (PFNA)	**0.029**	**J**	0.22	0.024	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorooctanesulfonic acid (PFOS)	**0.17**	**J**	0.22	0.047	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.028**	**J**	0.22	0.025	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
6:2 FTS	**0.28**		0.22	0.030	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/25/21 18:29	10/26/21 16:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C5 PFPeA	*77*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C2 PFHxA	*71*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C4 PFHpA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C4 PFOA	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C5 PFNA	*77*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C2 PFDA	*78*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C2 PFUnA	*86*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C2 PFDoA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
18O2 PFHxS	*69*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C4 PFOS	*67*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
13C8 FOSA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:24*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A5C
Date Collected: 10/22/21 15:00
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-13
Matrix: Solid
Percent Solids: 52.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.14**	**J**	0.37	0.084	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluoropentanoic acid (PFPeA)	**0.079**	**J**	0.37	0.075	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorohexanoic acid (PFHxA)	**0.076**	**J**	0.37	0.057	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluoroheptanoic acid (PFHpA)	**0.075**	**J I**	0.37	0.070	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorooctanoic acid (PFOA)	**0.24**	**J**	0.37	0.097	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorononanoic acid (PFNA)	ND		0.37	0.040	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorodecanoic acid (PFDA)	ND		0.37	0.088	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.37	0.077	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.37	0.055	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.37	0.038	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.37	0.068	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.37	0.070	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.37	0.053	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.37	0.090	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorooctanesulfonic acid (PFOS)	**0.42**		0.37	0.079	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.37	0.095	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.37	0.060	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.37	0.042	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.37	0.088	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
6:2 FTS	ND		0.37	0.049	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1
8:2 FTS	ND		0.37	0.064	ug/Kg	☼	10/25/21 18:29	10/26/21 16:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C5 PFPeA	*75*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C2 PFHxA	*73*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C4 PFHpA	*78*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C4 PFOA	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C5 PFNA	*77*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C2 PFDA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C2 PFUnA	*78*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C2 PFDoA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
18O2 PFHxS	*82*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C4 PFOS	*73*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
13C8 FOSA	*75*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
d5-NEtFOSAA	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
M2-6:2 FTS	*70*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*10/25/21 18:29*	*10/26/21 16:34*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A6C

Date Collected: 10/22/21 15:10
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-16

Matrix: Solid
Percent Solids: 85.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.10**	**J**	0.23	0.052	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluoropentanoic acid (PFPeA)	**0.073**	**J**	0.23	0.046	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorohexanoic acid (PFHxA)	**0.041**	**J**	0.23	0.035	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluoroheptanoic acid (PFHpA)	**0.046**	**J**	0.23	0.043	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.23	0.060	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorononanoic acid (PFNA)	**0.034**	**J**	0.23	0.025	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**		0.23	0.049	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	10/25/21 19:47	10/26/21 16:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C5 PFPeA	*77*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C2 PFHxA	*77*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C4 PFHpA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C4 PFOA	*84*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C5 PFNA	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C2 PFDA	*81*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C2 PFUnA	*82*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C2 PFDoA	*83*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C3 PFBS	*73*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
18O2 PFHxS	*77*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C4 PFOS	*76*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
13C8 FOSA	*81*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:44*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A7C
Date Collected: 10/22/21 17:10
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-19
Matrix: Solid
Percent Solids: 88.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.057**	**J**	0.22	0.052	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.035	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.043	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorooctanoic acid (PFOA)	**0.065**	**J**	0.22	0.060	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.034	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.024	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.042	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.043	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.033	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.082**	**J**	0.22	0.048	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/25/21 19:47	10/26/21 16:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C5 PFPeA	*76*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C2 PFHxA	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C4 PFHpA	*84*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C4 PFOA	*84*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C5 PFNA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C2 PFDA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C2 PFUnA	*81*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C2 PFDoA	*85*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C3 PFBS	*64*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
18O2 PFHxS	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C4 PFOS	*70*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
13C8 FOSA	*81*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
M2-6:2 FTS	*64*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*10/25/21 19:47*	*10/26/21 16:55*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A8C
Date Collected: 10/22/21 17:30
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-22
Matrix: Solid
Percent Solids: 89.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.083**	**J**	0.21	0.048	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluoropentanoic acid (PFPeA)	**0.047**	**J**	0.21	0.042	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorohexanoic acid (PFHxA)	**0.075**	**J**	0.21	0.032	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorooctanoic acid (PFOA)	**0.076**	**J**	0.21	0.055	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorononanoic acid (PFNA)	**0.025**	**J**	0.21	0.023	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**		0.21	0.044	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	10/25/21 19:47	10/26/21 17:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C5 PFPeA	*69*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C2 PFHxA	*69*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C4 PFHpA	*71*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C4 PFOA	*82*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C5 PFNA	*72*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C2 PFDA	*72*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C2 PFUnA	*80*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C3 PFBS	*61*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
18O2 PFHxS	*70*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C4 PFOS	*63*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
13C8 FOSA	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
M2-6:2 FTS	*63*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*
M2-8:2 FTS	*64*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:05*	*1*

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

Job ID: 180-128923-2

Client Sample ID: SSHS-IRM5A2-A1-A9C

Date Collected: 10/22/21 17:50
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-25

Matrix: Solid
Percent Solids: 86.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.081**	**J**	0.21	0.049	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorohexanoic acid (PFHxA)	**0.042**	**J**	0.21	0.033	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.21	0.056	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorononanoic acid (PFNA)	**0.028**	**J**	0.21	0.023	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**	**I F1 F2**	0.21	0.045	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/25/21 19:47	10/26/21 17:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C5 PFPeA	*76*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C2 PFHxA	*79*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C4 PFHpA	*82*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C4 PFOA	*82*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C5 PFNA	*78*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C2 PFDA	*85*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C2 PFUnA	*83*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C2 PFDoA	*83*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C3 PFBS	*68*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
18O2 PFHxS	*80*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C4 PFOS	*71*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
13C8 FOSA	*80*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
d3-NMeFOSAA	*67*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*
M2-8:2 FTS	*72*		*25 - 150*	*10/25/21 19:47*	*10/26/21 17:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-537071/1-A
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/25/21 18:29	10/26/21 14:19	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/25/21 18:29	10/26/21 14:19	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C5 PFPeA	*72*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C2 PFHxA	*76*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C4 PFHpA	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C4 PFOA	*87*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C5 PFNA	*74*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C2 PFDA	*81*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C2 PFUnA	*78*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C2 PFDoA	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C3 PFBS	*79*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
18O2 PFHxS	*80*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C4 PFOS	*73*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
13C8 FOSA	*75*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
M2-6:2 FTS	*71*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*10/25/21 18:29*	*10/26/21 14:19*	*1*

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

Lab Sample ID: LCS 320-537071/2-A
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.97		ug/Kg		99	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.00		ug/Kg		100	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.99		ug/Kg		100	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.88		ug/Kg		94	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.95		ug/Kg		98	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.08		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.89		ug/Kg		94	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.97		ug/Kg		99	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.93		ug/Kg		96	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.01		ug/Kg		100	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.66		ug/Kg		94	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.74		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.98		ug/Kg		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.92		ug/Kg		103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.88		ug/Kg		97	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.83		ug/Kg		91	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.95		ug/Kg		98	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.83		ug/Kg		92	72 - 132
6:2 FTS	1.90	1.70		ug/Kg		90	73 - 139
8:2 FTS	1.92	2.07		ug/Kg		108	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*82*		*25 - 150*
13C5 PFPeA	*75*		*25 - 150*
13C2 PFHxA	*76*		*25 - 150*
13C4 PFHpA	*84*		*25 - 150*
13C4 PFOA	*82*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*83*		*25 - 150*
13C2 PFUnA	*76*		*25 - 150*
13C2 PFDoA	*79*		*25 - 150*
13C2 PFTeDA	*67*		*25 - 150*
13C3 PFBS	*75*		*25 - 150*
18O2 PFHxS	*84*		*25 - 150*
13C4 PFOS	*76*		*25 - 150*
13C8 FOSA	*81*		*25 - 150*
d3-NMeFOSAA	*72*		*25 - 150*
d5-NEtFOSAA	*82*		*25 - 150*

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

Lab Sample ID: LCS 320-537071/2-A
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537071

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*79*		*25 - 150*
M2-8:2 FTS	*70*		*25 - 150*

Lab Sample ID: 180-128923-25 MS
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: SSHS-IRM5A2-A1-A9C
Prep Type: Total/NA
Prep Batch: 537071

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.081	J	2.29	2.30		ug/Kg	☼	97	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.29	2.34		ug/Kg	☼	102	69 - 129
Perfluorohexanoic acid (PFHxA)	0.042	J	2.29	2.38		ug/Kg	☼	102	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.29	2.23		ug/Kg	☼	97	71 - 131
Perfluorooctanoic acid (PFOA)	0.11	J	2.29	2.38		ug/Kg	☼	99	72 - 132
Perfluorononanoic acid (PFNA)	0.028	J	2.29	2.45		ug/Kg	☼	106	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.29	2.28		ug/Kg	☼	99	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.29	2.42		ug/Kg	☼	105	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.29	2.39		ug/Kg	☼	104	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.29	2.56		ug/Kg	☼	112	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.29	2.32		ug/Kg	☼	101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		2.03	1.93		ug/Kg	☼	95	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.08	2.07		ug/Kg	☼	99	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.18	2.38		ug/Kg	☼	109	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.22	I F1 F2	2.13	2.39		ug/Kg	☼	102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.21	2.42		ug/Kg	☼	109	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.29	2.42		ug/Kg	☼	106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.29	2.17		ug/Kg	☼	95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.29	2.43		ug/Kg	☼	106	72 - 132
6:2 FTS	ND		2.17	2.50		ug/Kg	☼	115	73 - 139
8:2 FTS	ND		2.19	2.31		ug/Kg	☼	105	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*76*		*25 - 150*
13C5 PFPeA	*70*		*25 - 150*
13C2 PFHxA	*75*		*25 - 150*
13C4 PFHpA	*81*		*25 - 150*
13C4 PFOA	*83*		*25 - 150*
13C5 PFNA	*77*		*25 - 150*
13C2 PFDA	*83*		*25 - 150*
13C2 PFUnA	*75*		*25 - 150*
13C2 PFDoA	*79*		*25 - 150*

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

Lab Sample ID: 180-128923-25 MS
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: SSHS-IRM5A2-A1-A9C
Prep Type: Total/NA
Prep Batch: 537071

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	81		25 - 150
13C3 PFBS	73		25 - 150
18O2 PFHxS	78		25 - 150
13C4 PFOS	71		25 - 150
13C8 FOSA	77		25 - 150
d3-NMeFOSAA	72		25 - 150
d5-NEtFOSAA	73		25 - 150
M2-6:2 FTS	69		25 - 150
M2-8:2 FTS	73		25 - 150

Lab Sample ID: 180-128923-25 MSD
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: SSHS-IRM5A2-A1-A9C
Prep Type: Total/NA
Prep Batch: 537071

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.081	J	2.23	2.23		ug/Kg	☼	96	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)	ND		2.23	2.15		ug/Kg	☼	96	69 - 129	8	30
Perfluorohexanoic acid (PFHxA)	0.042	J	2.23	2.36		ug/Kg	☼	104	71 - 131	1	30
Perfluoroheptanoic acid (PFHpA)	ND		2.23	2.24		ug/Kg	☼	100	71 - 131	0	30
Perfluorooctanoic acid (PFOA)	0.11	J	2.23	2.14		ug/Kg	☼	91	72 - 132	11	30
Perfluorononanoic acid (PFNA)	0.028	J	2.23	2.37		ug/Kg	☼	105	73 - 133	3	30
Perfluorodecanoic acid (PFDA)	ND		2.23	2.07		ug/Kg	☼	93	72 - 132	9	30
Perfluoroundecanoic acid (PFUnA)	ND		2.23	2.22		ug/Kg	☼	99	66 - 126	8	30
Perfluorododecanoic acid (PFDoA)	ND		2.23	2.24		ug/Kg	☼	101	71 - 131	6	30
Perfluorotridecanoic acid (PFTriA)	ND		2.23	2.42		ug/Kg	☼	108	71 - 131	6	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.23	2.12		ug/Kg	☼	95	67 - 127	9	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.97	1.88		ug/Kg	☼	95	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.03	2.29		ug/Kg	☼	113	62 - 122	10	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.13	2.26		ug/Kg	☼	106	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	0.22	I F1 F2	2.07	5.62	F1 F2	ug/Kg	☼	261	68 - 141	80	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.15	2.08		ug/Kg	☼	97	71 - 131	15	30
Perfluorooctanesulfonamide (FOSA)	ND		2.23	2.33		ug/Kg	☼	104	77 - 137	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.23	2.17		ug/Kg	☼	97	72 - 132	0	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.23	2.01		ug/Kg	☼	90	72 - 132	19	30
6:2 FTS	ND		2.12	2.57		ug/Kg	☼	121	73 - 139	3	30
8:2 FTS	ND		2.14	2.17		ug/Kg	☼	101	75 - 135	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	78		25 - 150
13C5 PFPeA	77		25 - 150

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

Lab Sample ID: 180-128923-25 MSD
Matrix: Solid
Analysis Batch: 537318

Client Sample ID: SSHS-IRM5A2-A1-A9C
Prep Type: Total/NA
Prep Batch: 537071

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	79		25 - 150
13C4 PFHpA	80		25 - 150
13C4 PFOA	91		25 - 150
13C5 PFNA	76		25 - 150
13C2 PFDA	87		25 - 150
13C2 PFUnA	80		25 - 150
13C2 PFDoA	85		25 - 150
13C2 PFTeDA	88		25 - 150
13C3 PFBS	71		25 - 150
18O2 PFHxS	78		25 - 150
13C4 PFOS	76		25 - 150
13C8 FOSA	80		25 - 150
d3-NMeFOSAA	76		25 - 150
d5-NEtFOSAA	83		25 - 150
M2-6:2 FTS	80		25 - 150
M2-8:2 FTS	80		25 - 150

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

Job ID: 180-128923-2

LCMS

Prep Batch: 537071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	SHAKE	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	SHAKE	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	SHAKE	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	SHAKE	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	SHAKE	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	SHAKE	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	SHAKE	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	SHAKE	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	SHAKE	
MB 320-537071/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-537071/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-128923-25 MS	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	SHAKE	
180-128923-25 MSD	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	SHAKE	

Analysis Batch: 537318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	537 (modified)	537071
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	537 (modified)	537071
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	537 (modified)	537071
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	537 (modified)	537071
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	537 (modified)	537071
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	537 (modified)	537071
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	537 (modified)	537071
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	537 (modified)	537071
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	537 (modified)	537071
MB 320-537071/1-A	Method Blank	Total/NA	Solid	537 (modified)	537071
LCS 320-537071/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	537071
180-128923-25 MS	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	537 (modified)	537071
180-128923-25 MSD	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	537 (modified)	537071

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A4B	10/22/21	14:56	G	S	N	N	X								4	Containers fo sent directly t Pittsburgh wil
SSHS-IRM5A2-A1-A5C	10/22/21	15:00	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A5A	10/22/21	15:01	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A5B	10/22/21	15:02	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A6C collection time is 15:10 as per Miranda Stelmach. D. Dunlap 10/26/21	10/22/21	~~15:03~~	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A6A	10/22/21	15:13	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A6B	10/22/21	15:12	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A7C	10/22/21	17:10	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A7A	10/22/21	17:15	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A7B	10/22/21	17:20	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A8C	10/22/21	17:30	C	S	N	N		X	X	X	X	X	X	X	5	

180-128923 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/22/21 1800			10/23/21 10:30	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A1C	10/22/21	13:30	C	S	N	N		X	X	X	X	X	X	X					5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A1A	10/22/21	13:40	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A1B	10/22/21	13:43	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A2C	10/22/21	13:25	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A2A	10/22/21	13:30	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A2B	10/22/21	13:35	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A3C	10/22/21	13:50	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A3A	10/22/21	13:56	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A3B	10/22/21	13:57	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A4C	10/22/21	14:45	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A4A	10/22/21	14:48	G	S	N	N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/22/21 1800			10/23/21 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A8A	10/22/21	17:35	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A8B	10/22/21	17:40	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A9C	10/22/21	17:50	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A9A	10/22/21	17:55	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A9B	10/22/21	18:00	G	S	N	N	X								4	

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

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

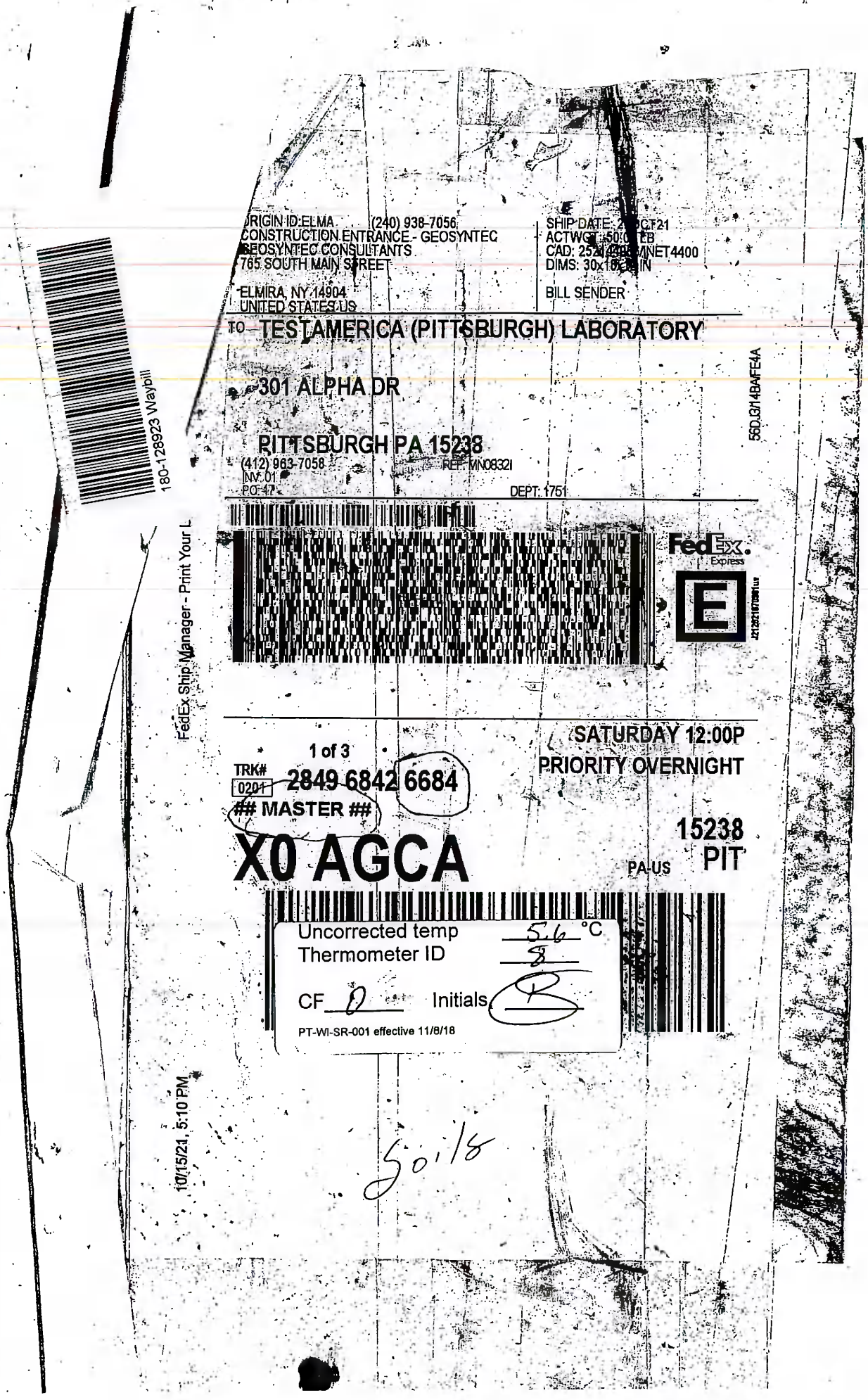
Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/22/21 1809			10/23/21 1030	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 2[illegible]CT21
ACTWGT: 50.0[illegible]B
CAD: 252[illegible]/INET4400
DIMS: 30x16[illegible]IN

BILL SENDER

TO TESTAMERICA (PITTSBURGH) LABORATORY

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF: MN0832I
INV: 01
PO: 47 DEPT: 1751

180-128923 Waybill

FedEx Ship Manager - Print Your L

56DJ314BAFE4A

FedEx Express

1 of 3

TRK# 0201 2849 6842 6684

MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 AGCA

15238
PIT
PA-US

Uncorrected temp 5.6 °C
Thermometer ID 8
CF 0 Initials

PT-WI-SR-001 effective 11/8/18

10/15/21, 5:10 PM

Soils

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 22OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN
BILL SENDER

TO TESTAMERICA (PITTSBURGH) LABORATORY
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
REF: MN0832
PO: 17
DEPT: 1751

56D3/14BA/FE4A

FedEx Express

SATURDAY 4:00P
PRIORITY OVERNIGHT

MPS# 0263 2849 6842 7014
2 of 3
Mstr# 2849 6842 6684 0201

XO AGCA

PA-US PIT 15238

Uncorrected temp 5.8 °C
Thermometer ID 14
CF -0.2 Initials
PT-WI-SR-001 effective 11/8/18

TLH 10/15/21

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-128923 Chain of Custody

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A1C	10/22/21	13:30	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A1A	10/22/21	13:40	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A1B	10/22/21	13:43	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A2C	10/22/21	13:25	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A2A	10/22/21	13:30	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A2B	10/22/21	13:35	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A3C	10/22/21	13:50	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A3A	10/22/21	13:56	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A3B	10/22/21	13:57	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A4C	10/22/21	14:45	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A4A	10/22/21	14:48	G	S	N	N	X								4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/22/21 1800			10/23/21 920	EEI Sac
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A4B	10/22/21	14:56	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A5C	10/22/21	15:00	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A5A	10/22/21	15:01	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A5B	10/22/21	15:02	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A6C	10/22/21	15:03	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A6A	10/22/21	15:13	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A6B	10/22/21	15:12	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A7C	10/22/21	17:10	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A7A	10/22/21	17:15	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A7B	10/22/21	17:20	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A8C	10/22/21	17:30	C	S	N	N		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/22/21/1800			10/23/21 910	EETSc
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.2

4oz for no time; date 10/23/21 8oz; 4oz for time 1510 but COC 1500

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A8A	10/22/21	17:35	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A8B	10/22/21	17:40	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A9C	10/22/21	17:50	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A9A	10/22/21	17:55	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A9B	10/22/21	18:00	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/22/21 1800			10/23/21 920	EETSL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-128923 Field Sheet

Tracking # : 2849 6844 9593

Job: _____

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

GSO / OnTrac / Goldstreak / USPS / Other _____

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

Therm. ID: L01 Corr. Factor: (+ / -) NA °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 2.2 °C Corrected: 2.2 °C

From: Temp Blank ☒ Sample ☐

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

Initials: SO Date: 10/23/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

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

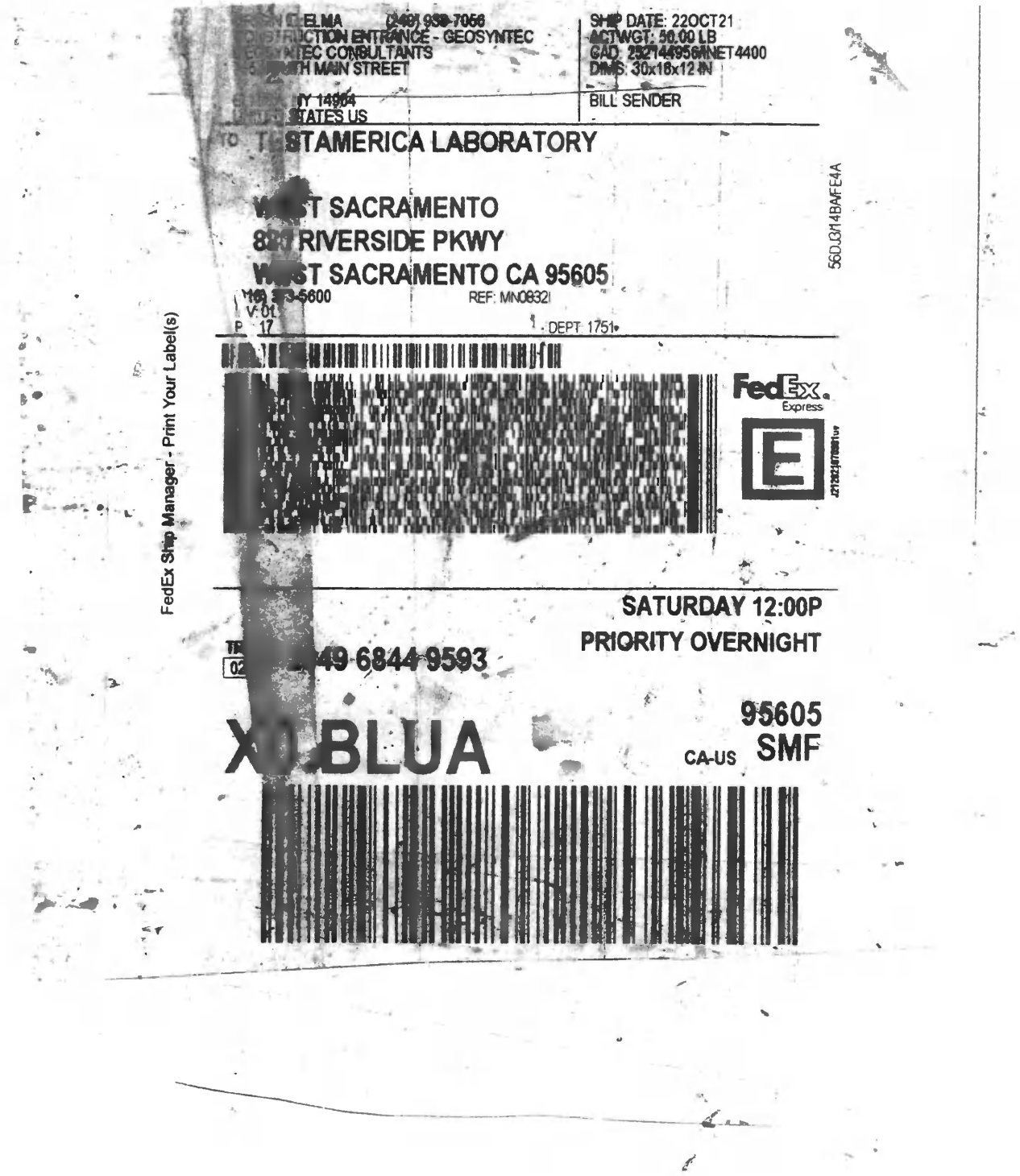
Initials: SO Date: 10/23/21

Notes: _____

Trizma Lot #(s): _____

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

Initials: SO Date: 10/23/21


ELMA (248) 968-7066
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
H MAIN STREET
NY 14904
STATES US
SHIP DATE: 22OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x16x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
ST SACRAMENTO
RIVERSIDE PKWY
ST SACRAMENTO CA 95605
REF: MN0832
DEPT: 1751
FedEx Express
SATURDAY 12:00P
PRIORITY OVERNIGHT
49 6844 9593
95605
CA-US SMF
BLUA
FedEx Ship Manager - Print Your Label(s)

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128923-2

Login Number: 128923
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128923-2

Login Number: 128923
List Number: 2
Creator: Kovitch, Christina M

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128923-2

Login Number: 128923
List Number: 3
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-128974-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/3/2021 4:17:47 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

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Job ID: 180-128974-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128974-2

Comments
Notation was made to the coc regarding sample IDs on page 4 of 7 and also four samples that were recollected on 10/27/21 for all analyses except PFAS due to infiltration of water into the sample containers. The composite samples were stored on-site, on ice, until shipment on Monday 10/25/21, but due to melted ice over the weekend, water infiltrated into various containers. Four of the samples had all containers (except PFAS) impacted and were recollected on 10/27 for all analyses except PFAS. There was sufficient volume in the un-impacted containers of other samples to complete all analyses.

Receipt
The samples were received on 10/26 and 28/2021 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition (except as noted above), and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.5º C, 1.3º C, 1.3º C, 1.8º C, 2.9º C, 4.6º C and 4.7º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was below the established ratio limits for the following samples: SSHS-IRM5A2-A1-A10C (180-128974-3), SSHS-IRM5A2-A1-A13C (180-128974-12), SSHS-IRM5A2-A1-A14C (180-128974-15), SSHS-IRM5A2-A1-DUP1C (180-128974-60), and SSHS-IRM5A2-A1-A28C (180-128974-63) and its matrix spikes. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-128974-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128974-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

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

Sample Summary

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

Job ID: 180-128974-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128974-3	SSHS-IRM5A2-A1-A10C	Solid	10/23/21 10:50	10/26/21 10:00
180-128974-6	SSHS-IRM5A2-A1-A11C	Solid	10/23/21 11:00	10/26/21 10:00
180-128974-9	SSHS-IRM5A2-A1-A12C	Solid	10/23/21 11:30	10/26/21 10:00
180-128974-12	SSHS-IRM5A2-A1-A13C	Solid	10/23/21 11:45	10/26/21 10:00
180-128974-15	SSHS-IRM5A2-A1-A14C	Solid	10/23/21 12:00	10/26/21 10:00
180-128974-18	SSHS-IRM5A2-A1-A15C	Solid	10/23/21 14:00	10/26/21 10:00
180-128974-21	SSHS-IRM5A2-A1-A16C	Solid	10/24/21 09:35	10/26/21 10:00
180-128974-24	SSHS-IRM5A2-A1-A17C	Solid	10/24/21 09:55	10/26/21 10:00
180-128974-27	SSHS-IRM5A2-A1-A18C	Solid	10/24/21 10:25	10/26/21 10:00
180-128974-30	SSHS-IRM5A2-A1-A19C	Solid	10/24/21 11:40	10/26/21 10:00
180-128974-33	SSHS-IRM5A2-A1-A20C	Solid	10/24/21 11:40	10/26/21 10:00
180-128974-36	SSHS-IRM5A2-A1-A21C	Solid	10/24/21 13:30	10/26/21 10:00
180-128974-39	SSHS-IRM5A2-A1-A22C	Solid	10/24/21 13:45	10/26/21 10:00
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Solid	10/24/21 13:45	10/26/21 10:00
180-128974-45	SSHS-IRM5A2-A1-A23C	Solid	10/24/21 14:35	10/26/21 10:00
180-128974-48	SSHS-IRM5A2-A1-A24C	Solid	10/24/21 14:50	10/26/21 10:00
180-128974-51	SSHS-IRM5A2-A1-A25C	Solid	10/24/21 15:10	10/26/21 10:00
180-128974-54	SSHS-IRM5A2-A1-A26C	Solid	10/24/21 15:30	10/26/21 10:00
180-128974-57	SSHS-IRM5A2-A1-A27C	Solid	10/24/21 16:00	10/26/21 10:00
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Solid	10/23/21 10:55	10/26/21 10:00
180-128974-63	SSHS-IRM5A2-A1-A28C	Solid	10/25/21 16:40	10/26/21 10:00

Method Summary

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

Job ID: 180-128974-2

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A10C
Lab Sample ID: 180-128974-3
Date Collected: 10/23/21 10:50
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.12 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 14:31	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A11C
Lab Sample ID: 180-128974-6
Date Collected: 10/23/21 11:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.48 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 14:41	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A12C
Lab Sample ID: 180-128974-9
Date Collected: 10/23/21 11:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.20 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 14:52	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A13C
Lab Sample ID: 180-128974-12
Date Collected: 10/23/21 11:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.50 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 15:02	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A14C
Lab Sample ID: 180-128974-15
Date Collected: 10/23/21 12:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 15:12	MYV	TAL SAC
	Instrument ID: A13									

Lab Chronicle

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A15C
Lab Sample ID: 180-128974-18
Date Collected: 10/23/21 14:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 15:23	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A16C
Lab Sample ID: 180-128974-21
Date Collected: 10/24/21 09:35
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 15:33	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A17C
Lab Sample ID: 180-128974-24
Date Collected: 10/24/21 09:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.66 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 15:44	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A18C
Lab Sample ID: 180-128974-27
Date Collected: 10/24/21 10:25
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 16:15	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A19C
Lab Sample ID: 180-128974-30
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.64 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 16:25	MYV	TAL SAC
	Instrument ID: A13									

Lab Chronicle

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A20C

Lab Sample ID: 180-128974-33
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 16:36	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A21C

Lab Sample ID: 180-128974-36
Date Collected: 10/24/21 13:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.20 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 17:07	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A22C

Lab Sample ID: 180-128974-39
Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 17:17	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-DUP2C

Lab Sample ID: 180-128974-42
Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.01 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 17:28	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A23C

Lab Sample ID: 180-128974-45
Date Collected: 10/24/21 14:35
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 17:38	MYV	TAL SAC
	Instrument ID: A13									

Lab Chronicle

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A24C
Lab Sample ID: 180-128974-48
Date Collected: 10/24/21 14:50
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 17:48	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A25C
Lab Sample ID: 180-128974-51
Date Collected: 10/24/21 15:10
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 18:19	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A26C
Lab Sample ID: 180-128974-54
Date Collected: 10/24/21 15:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 18:30	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A27C
Lab Sample ID: 180-128974-57
Date Collected: 10/24/21 16:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.54 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 18:40	MYV	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.38 g	10.0 mL	537567	10/27/21 11:31	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			537974	10/28/21 18:51	MYV	TAL SAC
	Instrument ID: A13									

Lab Chronicle

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A28C
Date Collected: 10/25/21 16:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-63
Matrix: Solid
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.26 g	10.0 mL	537740	10/27/21 18:37	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			538636	10/28/21 16:06	S1M	TAL SAC
	Instrument ID: A9									

Laboratory References:

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

Analyst References:

Lab: TAL SAC

Batch Type: Prep

AM = Andrew Martin

OP = Oscar Pascual-Diaz

Batch Type: Analysis

MYV = Mai Yee Vang

S1M = Sudarat Mongkol

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A10C
Date Collected: 10/23/21 10:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-3
Matrix: Solid
Percent Solids: 83.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.055**	**J**	0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.23	0.062	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorononanoic acid (PFNA)	**0.036**	**J I**	0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J I**	0.23	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.061	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
6:2 FTS	ND		0.23	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 14:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*104*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C5 PFPeA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C2 PFHxA	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C4 PFHpA	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C4 PFOA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C5 PFNA	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C2 PFDA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C2 PFUnA	*73*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C2 PFDoA	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C3 PFBS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
18O2 PFHxS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C4 PFOS	*72*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
13C8 FOSA	*77*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
d3-NMeFOSAA	*60*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
d5-NEtFOSAA	*69*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:31*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A11C
Date Collected: 10/23/21 11:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-6
Matrix: Solid
Percent Solids: 87.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorooctanoic acid (PFOA)	**0.084**	**J**	0.21	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorooctanesulfonic acid (PFOS)	**0.16**	**J**	0.21	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 14:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C2 PFHxA	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C4 PFHpA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C4 PFOA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C2 PFDA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C2 PFUnA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C2 PFDoA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C3 PFBS	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
18O2 PFHxS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C4 PFOS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
13C8 FOSA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:41*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A12C
Date Collected: 10/23/21 11:30
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-9
Matrix: Solid
Percent Solids: 87.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorooctanoic acid (PFOA)	**0.070**	**J**	0.22	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J**	0.22	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 14:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C5 PFPeA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C2 PFHxA	*103*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C4 PFHpA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C5 PFNA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C2 PFDA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C2 PFUnA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C2 PFDoA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C3 PFBS	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
18O2 PFHxS	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C4 PFOS	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
13C8 FOSA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
d3-NMeFOSAA	*74*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
d5-NEtFOSAA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:52*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A13C

Date Collected: 10/23/21 11:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-12

Matrix: Solid
Percent Solids: 84.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.088**	**J**	0.21	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorohexanoic acid (PFHxA)	**0.045**	**J**	0.21	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorooctanoic acid (PFOA)	**0.12**	**J**	0.21	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorooctanesulfonic acid (PFOS)	**0.34**	**I**	0.21	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1
8:2 FTS	ND		0.21	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 15:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C5 PFPeA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C2 PFHxA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C4 PFHpA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C4 PFOA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C5 PFNA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C2 PFDA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C2 PFUnA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C3 PFBS	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C4 PFOS	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
13C8 FOSA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:02*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A14C
Date Collected: 10/23/21 12:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-15
Matrix: Solid
Percent Solids: 83.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.095**	**J**	0.23	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorohexanoic acid (PFHxA)	**0.035**	**J**	0.23	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.23	0.060	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorooctanesulfonic acid (PFOS)	**0.67**	**I**	0.23	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 15:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*112*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C5 PFPeA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C2 PFHxA	*107*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C4 PFHpA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C4 PFOA	*101*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C5 PFNA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C2 PFDA	*101*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C2 PFUnA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C2 PFDoA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
18O2 PFHxS	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C4 PFOS	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
13C8 FOSA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:12*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A15C
Date Collected: 10/23/21 14:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-18
Matrix: Solid
Percent Solids: 82.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.16**	**J**	0.23	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorooctanoic acid (PFOA)	**0.14**	**J**	0.23	0.062	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorooctanesulfonic acid (PFOS)	**0.80**		0.23	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 15:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C5 PFPeA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C4 PFHpA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C4 PFOA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C5 PFNA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C2 PFDA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C2 PFUnA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C2 PFDoA	*71*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
18O2 PFHxS	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C4 PFOS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
13C8 FOSA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:23*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A16C

Date Collected: 10/24/21 09:35
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-21

Matrix: Solid
Percent Solids: 88.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.056**	**J**	0.22	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorooctanoic acid (PFOA)	**0.079**	**J**	0.22	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.22	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 15:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C5 PFPeA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C2 PFHxA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C4 PFHpA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C4 PFOA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C5 PFNA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C2 PFDA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C2 PFUnA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C2 PFDoA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C3 PFBS	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
18O2 PFHxS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C4 PFOS	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
13C8 FOSA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
d5-NEtFOSAA	*74*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:33*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A17C

Date Collected: 10/24/21 09:55
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-24

Matrix: Solid
Percent Solids: 87.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.078**	**J**	0.20	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorooctanoic acid (PFOA)	**0.082**	**J**	0.20	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorooctanesulfonic acid (PFOS)	**0.13**	**J**	0.20	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 15:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C5 PFPeA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C2 PFHxA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C4 PFHpA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C4 PFOA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C5 PFNA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C2 PFDA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C2 PFUnA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C2 PFDoA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C3 PFBS	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C4 PFOS	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
13C8 FOSA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 15:44*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A18C
Date Collected: 10/24/21 10:25
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-27
Matrix: Solid
Percent Solids: 89.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.13**	**J**	0.21	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorooctanoic acid (PFOA)	**0.066**	**J**	0.21	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J**	0.21	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 16:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C5 PFPeA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C2 PFHxA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C5 PFNA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C2 PFDA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C2 PFUnA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C3 PFBS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
18O2 PFHxS	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C4 PFOS	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
13C8 FOSA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:15*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A19C
Date Collected: 10/24/21 11:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-30
Matrix: Solid
Percent Solids: 89.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.11**	**J**	0.20	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorooctanoic acid (PFOA)	**0.097**	**J**	0.20	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.20**		0.20	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 16:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C5 PFPeA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C2 PFHxA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C4 PFHpA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C4 PFOA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C2 PFDA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C2 PFUnA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C2 PFDoA	*76*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C3 PFBS	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
18O2 PFHxS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C4 PFOS	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
13C8 FOSA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
d3-NMeFOSAA	*67*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:25*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A20C

Date Collected: 10/24/21 11:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-33

Matrix: Solid
Percent Solids: 86.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.14**	**J**	0.22	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorohexanoic acid (PFHxA)	**0.049**	**J**	0.22	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.22	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**		0.22	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 16:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C5 PFPeA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C4 PFHpA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C4 PFOA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C5 PFNA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C2 PFDA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C2 PFUnA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C2 PFDoA	*76*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C3 PFBS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
18O2 PFHxS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C4 PFOS	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
13C8 FOSA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
M2-6:2 FTS	*102*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 16:36*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A21C
Date Collected: 10/24/21 13:30
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-36
Matrix: Solid
Percent Solids: 83.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.19**	**J**	0.23	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.23	0.061	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J**	0.23	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 17:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C5 PFPeA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C2 PFHxA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C4 PFHpA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C5 PFNA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C2 PFDA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C2 PFUnA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C3 PFBS	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C4 PFOS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
13C8 FOSA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:07*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A22C
Date Collected: 10/24/21 13:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-39
Matrix: Solid
Percent Solids: 82.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.22**	**J**	0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorohexanoic acid (PFHxA)	**0.043**	**J**	0.23	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.23	0.062	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorooctanesulfonic acid (PFOS)	**0.28**		0.23	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.061	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
6:2 FTS	ND		0.23	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 17:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*104*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C5 PFPeA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C2 PFHxA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C4 PFHpA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C4 PFOA	*101*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C5 PFNA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C2 PFDA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C2 PFUnA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C2 PFDoA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C3 PFBS	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
18O2 PFHxS	*104*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C4 PFOS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
13C8 FOSA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
M2-6:2 FTS	*119*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*
M2-8:2 FTS	*124*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:17*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-DUP2C
Date Collected: 10/24/21 13:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-42
Matrix: Solid
Percent Solids: 85.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.19**	**J**	0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorohexanoic acid (PFHxA)	**0.044**	**J**	0.23	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.23	0.062	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorooctanesulfonic acid (PFOS)	**0.23**		0.23	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.061	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
6:2 FTS	ND		0.23	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 17:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C5 PFPeA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C2 PFHxA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C4 PFHpA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C4 PFOA	*104*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C2 PFDA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C2 PFUnA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C2 PFDoA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C3 PFBS	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
18O2 PFHxS	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C4 PFOS	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
13C8 FOSA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:28*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A23C
Date Collected: 10/24/21 14:35
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-45
Matrix: Solid
Percent Solids: 87.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.065**	**J**	0.22	0.050	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorooctanoic acid (PFOA)	**0.098**	**J**	0.22	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorooctanesulfonic acid (PFOS)	**0.16**	**J**	0.22	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	10/27/21 11:31	10/28/21 17:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C5 PFPeA	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C2 PFHxA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C4 PFHpA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C4 PFOA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C5 PFNA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C2 PFDA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C2 PFUnA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C3 PFBS	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
18O2 PFHxS	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C4 PFOS	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
13C8 FOSA	*82*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
d3-NMeFOSAA	*61*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
d5-NEtFOSAA	*71*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:38*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A24C
Date Collected: 10/24/21 14:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-48
Matrix: Solid
Percent Solids: 88.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.054**	**J**	0.23	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorooctanoic acid (PFOA)	**0.098**	**J**	0.23	0.060	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**	**J**	0.23	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 17:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C5 PFPeA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C2 PFHxA	*107*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C4 PFHpA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C5 PFNA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C2 PFDA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C2 PFUnA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C2 PFDoA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C3 PFBS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
18O2 PFHxS	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C4 PFOS	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
13C8 FOSA	*81*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 17:48*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A25C
Date Collected: 10/24/21 15:10
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-51
Matrix: Solid
Percent Solids: 84.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.21**	**J**	0.24	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorohexanoic acid (PFHxA)	**0.052**	**J**	0.24	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorooctanoic acid (PFOA)	**0.14**	**J**	0.24	0.062	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.049	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.24	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorooctanesulfonic acid (PFOS)	**0.28**		0.24	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.061	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.027	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1
8:2 FTS	ND		0.24	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 18:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C5 PFPeA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C2 PFHxA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C4 PFHpA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C5 PFNA	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C2 PFDA	*77*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C2 PFUnA	*71*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C2 PFDoA	*64*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C2 PFTeDA	*70*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C3 PFBS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
18O2 PFHxS	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C4 PFOS	*69*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
13C8 FOSA	*70*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
d3-NMeFOSAA	*56*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
d5-NEtFOSAA	*59*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:19*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A26C
Date Collected: 10/24/21 15:30
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-54
Matrix: Solid
Percent Solids: 87.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.084**	**J**	0.22	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.22	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorooctanesulfonic acid (PFOS)	**0.17**	**J**	0.22	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 18:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C5 PFPeA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C2 PFHxA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C4 PFHpA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C4 PFOA	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C5 PFNA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C2 PFDA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C2 PFUnA	*86*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C3 PFBS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
18O2 PFHxS	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C4 PFOS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
13C8 FOSA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
d5-NEtFOSAA	*73*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*
M2-8:2 FTS	*106*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:30*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A27C
Date Collected: 10/24/21 16:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-57
Matrix: Solid
Percent Solids: 85.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorooctanoic acid (PFOA)	**0.060**	**J**	0.21	0.056	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorooctanesulfonic acid (PFOS)	**0.096**	**J**	0.21	0.045	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 18:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C5 PFPeA	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C2 PFHxA	*105*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C4 PFHpA	*100*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C4 PFOA	*103*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C5 PFNA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C2 PFDA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C2 PFUnA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C2 PFDoA	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C3 PFBS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
18O2 PFHxS	*105*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C4 PFOS	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
13C8 FOSA	*88*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:40*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-DUP1C

Date Collected: 10/23/21 10:55
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-60

Matrix: Solid
Percent Solids: 83.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.072**	**J**	0.22	0.051	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorohexanoic acid (PFHxA)	**0.054**	**J**	0.22	0.035	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorooctanoic acid (PFOA)	**0.078**	**J**	0.22	0.059	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorononanoic acid (PFNA)	**0.026**	**J**	0.22	0.025	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorooctanesulfonic acid (PFOS)	**0.17**	**J I**	0.22	0.048	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/27/21 11:31	10/28/21 18:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C5 PFPeA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C2 PFHxA	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C2 PFDA	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C2 PFUnA	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C3 PFBS	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C4 PFOS	*87*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
13C8 FOSA	*90*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 18:51*	*1*

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

Job ID: 180-128974-2

Client Sample ID: SSHS-IRM5A2-A1-A28C
Date Collected: 10/25/21 16:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-63
Matrix: Solid
Percent Solids: 81.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.091**	**J**	0.23	0.053	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorooctanoic acid (PFOA)	**0.094**	**J**	0.23	0.062	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorooctanesulfonic acid (PFOS)	**0.23**	**I**	0.23	0.050	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	10/27/21 18:37	10/28/21 16:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C5 PFPeA	*92*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C2 PFHxA	*87*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C4 PFOA	*95*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C5 PFNA	*96*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C2 PFDA	*94*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C2 PFUnA	*95*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C2 PFDoA	*95*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C3 PFBS	*89*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
18O2 PFHxS	*88*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C4 PFOS	*92*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
13C8 FOSA	*93*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*
M2-8:2 FTS	*119*		*25 - 150*	*10/27/21 18:37*	*10/28/21 16:06*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-537567/1-A
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/27/21 11:31	10/28/21 14:10	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/27/21 11:31	10/28/21 14:10	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C5 PFPeA	*95*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C2 PFHxA	*103*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C4 PFHpA	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C5 PFNA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C2 PFDA	*98*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C2 PFUnA	*94*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C2 PFDoA	*91*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C3 PFBS	*106*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
18O2 PFHxS	*104*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C4 PFOS	*97*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
13C8 FOSA	*99*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*10/27/21 11:31*	*10/28/21 14:10*	*1*

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

Lab Sample ID: LCS 320-537567/2-A
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.91		ug/Kg		95	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.87		ug/Kg		93	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.16		ug/Kg		108	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.05		ug/Kg		103	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.87		ug/Kg		93	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.22		ug/Kg		111	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.20		ug/Kg		110	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.96		ug/Kg		98	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.95		ug/Kg		98	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.11		ug/Kg		106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.99		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.69		ug/Kg		96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.75		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.87		ug/Kg		98	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83		ug/Kg		99	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.99		ug/Kg		103	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.01		ug/Kg		100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.03		ug/Kg		102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.87		ug/Kg		93	72 - 132
6:2 FTS	1.90	2.09		ug/Kg		110	73 - 139
8:2 FTS	1.92	1.70		ug/Kg		89	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*102*		*25 - 150*
13C5 PFPeA	*100*		*25 - 150*
13C2 PFHxA	*102*		*25 - 150*
13C4 PFHpA	*103*		*25 - 150*
13C4 PFOA	*101*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*
13C2 PFDA	*97*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*97*		*25 - 150*
13C2 PFTeDA	*99*		*25 - 150*
13C3 PFBS	*108*		*25 - 150*
18O2 PFHxS	*112*		*25 - 150*
13C4 PFOS	*103*		*25 - 150*
13C8 FOSA	*102*		*25 - 150*
d3-NMeFOSAA	*88*		*25 - 150*
d5-NEtFOSAA	*101*		*25 - 150*

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

Lab Sample ID: LCS 320-537567/2-A
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537567

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*94*		*25 - 150*
M2-8:2 FTS	*101*		*25 - 150*

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 537567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.14	J	2.26	2.50		ug/Kg	☼	104	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.26	2.13		ug/Kg	☼	94	69 - 129
Perfluorohexanoic acid (PFHxA)	0.049	J	2.26	2.11		ug/Kg	☼	91	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.26	2.47		ug/Kg	☼	109	71 - 131
Perfluorooctanoic acid (PFOA)	0.15	J	2.26	2.59		ug/Kg	☼	108	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.26	2.42		ug/Kg	☼	107	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.26	2.37		ug/Kg	☼	105	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.26	2.24		ug/Kg	☼	99	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.26	2.26		ug/Kg	☼	100	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.26	2.82		ug/Kg	☼	125	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.26	2.32		ug/Kg	☼	102	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		2.00	1.93		ug/Kg	☼	96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.06	2.01		ug/Kg	☼	97	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.15	2.31		ug/Kg	☼	107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.25		2.10	2.38		ug/Kg	☼	101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.18	1.70		ug/Kg	☼	78	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.26	2.25		ug/Kg	☼	99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.26	2.25		ug/Kg	☼	99	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.26	2.13		ug/Kg	☼	94	72 - 132
6:2 FTS	ND		2.15	2.03		ug/Kg	☼	95	73 - 139
8:2 FTS	ND		2.17	2.24		ug/Kg	☼	104	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*103*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*89*		*25 - 150*
13C4 PFOA	*92*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*82*		*25 - 150*
13C2 PFUnA	*75*		*25 - 150*
13C2 PFDoA	*69*		*25 - 150*

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

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 537567

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	78		25 - 150
13C3 PFBS	100		25 - 150
18O2 PFHxS	100		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	79		25 - 150
d3-NMeFOSAA	63		25 - 150
d5-NEtFOSAA	65		25 - 150
M2-6:2 FTS	96		25 - 150
M2-8:2 FTS	91		25 - 150

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 537567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.14	J	2.11	2.21		ug/Kg	☼	98	76 - 136	12	30
Perfluoropentanoic acid (PFPeA)	ND		2.11	2.13		ug/Kg	☼	101	69 - 129	0	30
Perfluorohexanoic acid (PFHxA)	0.049	J	2.11	2.23		ug/Kg	☼	104	71 - 131	6	30
Perfluoroheptanoic acid (PFHpA)	ND		2.11	2.17		ug/Kg	☼	103	71 - 131	13	30
Perfluorooctanoic acid (PFOA)	0.15	J	2.11	2.18		ug/Kg	☼	97	72 - 132	17	30
Perfluorononanoic acid (PFNA)	ND		2.11	2.27		ug/Kg	☼	108	73 - 133	7	30
Perfluorodecanoic acid (PFDA)	ND		2.11	2.20		ug/Kg	☼	105	72 - 132	7	30
Perfluoroundecanoic acid (PFUnA)	ND		2.11	1.99		ug/Kg	☼	94	66 - 126	12	30
Perfluorododecanoic acid (PFDoA)	ND		2.11	1.95		ug/Kg	☼	93	71 - 131	15	30
Perfluorotridecanoic acid (PFTriA)	ND		2.11	2.44		ug/Kg	☼	116	71 - 131	15	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.11	2.13		ug/Kg	☼	101	67 - 127	8	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.86	1.85		ug/Kg	☼	100	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.92	1.86		ug/Kg	☼	97	62 - 122	8	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.01	2.07		ug/Kg	☼	103	76 - 136	11	30
Perfluorooctanesulfonic acid (PFOS)	0.25		1.95	2.30		ug/Kg	☼	105	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.03	1.58		ug/Kg	☼	78	71 - 131	7	30
Perfluorooctanesulfonamide (FOSA)	ND		2.11	2.10		ug/Kg	☼	100	77 - 137	7	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.11	1.99		ug/Kg	☼	94	72 - 132	12	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.11	2.03		ug/Kg	☼	96	72 - 132	5	30
6:2 FTS	ND		2.00	1.99		ug/Kg	☼	100	73 - 139	2	30
8:2 FTS	ND		2.02	2.46		ug/Kg	☼	122	75 - 135	9	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	103		25 - 150
13C5 PFPeA	81		25 - 150

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

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 537974

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 537567

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	85		25 - 150
13C4 PFHpA	87		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	81		25 - 150
13C2 PFDA	87		25 - 150
13C2 PFUnA	76		25 - 150
13C2 PFDoA	70		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	79		25 - 150
13C8 FOSA	79		25 - 150
d3-NMeFOSAA	61		25 - 150
d5-NEtFOSAA	64		25 - 150
M2-6:2 FTS	91		25 - 150
M2-8:2 FTS	77		25 - 150

Lab Sample ID: MB 320-537740/1-A
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/27/21 18:37	10/28/21 15:45	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/27/21 18:37	10/28/21 15:45	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	74		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C5 PFPeA	92		25 - 150	10/27/21 18:37	10/28/21 15:45	1

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

Lab Sample ID: MB 320-537740/1-A
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537740

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	90		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C4 PFHpA	94		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C4 PFOA	92		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C5 PFNA	89		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C2 PFDA	91		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C2 PFUnA	92		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C2 PFDoA	94		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C2 PFTeDA	95		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C3 PFBS	95		25 - 150	10/27/21 18:37	10/28/21 15:45	1
18O2 PFHxS	97		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C4 PFOS	97		25 - 150	10/27/21 18:37	10/28/21 15:45	1
13C8 FOSA	93		25 - 150	10/27/21 18:37	10/28/21 15:45	1
d3-NMeFOSAA	100		25 - 150	10/27/21 18:37	10/28/21 15:45	1
d5-NEtFOSAA	103		25 - 150	10/27/21 18:37	10/28/21 15:45	1
M2-6:2 FTS	103		25 - 150	10/27/21 18:37	10/28/21 15:45	1
M2-8:2 FTS	113		25 - 150	10/27/21 18:37	10/28/21 15:45	1

Lab Sample ID: LCS 320-537740/2-A
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.17		ug/Kg		109	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.19		ug/Kg		110	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.47		ug/Kg		124	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.39		ug/Kg		119	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.25		ug/Kg		113	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.32		ug/Kg		116	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.21		ug/Kg		110	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.37		ug/Kg		119	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.34		ug/Kg		117	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.37		ug/Kg		119	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.06		ug/Kg		103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.89		ug/Kg		107	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.88		ug/Kg		103	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.98		ug/Kg		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.02		ug/Kg		109	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.09		ug/Kg		108	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.06		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.24		ug/Kg		112	72 - 132

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

Lab Sample ID: LCS 320-537740/2-A
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537740

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	2.12		ug/Kg		106	72 - 132		
6:2 FTS			1.90	2.25		ug/Kg		118	73 - 139		
8:2 FTS			1.92	2.11		ug/Kg		110	75 - 135		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*86*		*25 - 150*
13C5 PFPeA	*92*		*25 - 150*
13C2 PFHxA	*90*		*25 - 150*
13C4 PFHpA	*94*		*25 - 150*
13C4 PFOA	*96*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*100*		*25 - 150*
13C2 PFUnA	*92*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*102*		*25 - 150*
13C3 PFBS	*97*		*25 - 150*
18O2 PFHxS	*98*		*25 - 150*
13C4 PFOS	*103*		*25 - 150*
13C8 FOSA	*98*		*25 - 150*
d3-NMeFOSAA	*97*		*25 - 150*
d5-NEtFOSAA	*107*		*25 - 150*
M2-6:2 FTS	*107*		*25 - 150*
M2-8:2 FTS	*113*		*25 - 150*

Lab Sample ID: 180-128974-63 MS
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: SSHS-IRM5A2-A1-A28C
Prep Type: Total/NA
Prep Batch: 537740

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorobutanoic acid (PFBA)	0.091	J	2.22	2.47		ug/Kg	☼	107	76 - 136		
Perfluoropentanoic acid (PFPeA)	ND		2.22	2.32		ug/Kg	☼	105	69 - 129		
Perfluorohexanoic acid (PFHxA)	ND		2.22	2.53		ug/Kg	☼	114	71 - 131		
Perfluoroheptanoic acid (PFHpA)	ND		2.22	2.52		ug/Kg	☼	114	71 - 131		
Perfluorooctanoic acid (PFOA)	0.094	J	2.22	2.66		ug/Kg	☼	116	72 - 132		
Perfluorononanoic acid (PFNA)	ND		2.22	2.65		ug/Kg	☼	120	73 - 133		
Perfluorodecanoic acid (PFDA)	ND		2.22	2.42		ug/Kg	☼	109	72 - 132		
Perfluoroundecanoic acid (PFUnA)	ND		2.22	2.61		ug/Kg	☼	118	66 - 126		
Perfluorododecanoic acid (PFDoA)	ND		2.22	2.50		ug/Kg	☼	113	71 - 131		
Perfluorotridecanoic acid (PFTriA)	ND		2.22	2.46		ug/Kg	☼	111	71 - 131		
Perfluorotetradecanoic acid (PFTeA)	ND		2.22	2.28		ug/Kg	☼	103	67 - 127		
Perfluorobutanesulfonic acid (PFBS)	ND		1.96	2.00		ug/Kg	☼	102	69 - 129		
Perfluorohexanesulfonic acid (PFHxS)	ND		2.02	2.14		ug/Kg	☼	106	62 - 122		
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.11	2.24		ug/Kg	☼	106	76 - 136		

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

Lab Sample ID: 180-128974-63 MS
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: SSHS-IRM5A2-A1-A28C
Prep Type: Total/NA
Prep Batch: 537740

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	0.23	I	2.06	2.56	I	ug/Kg	☼	113	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.14	2.20		ug/Kg	☼	103	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.22	2.30		ug/Kg	☼	104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.22	2.34		ug/Kg	☼	106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.22	2.39		ug/Kg	☼	108	72 - 132
6:2 FTS	ND		2.10	2.56		ug/Kg	☼	122	73 - 139
8:2 FTS	ND		2.12	2.32		ug/Kg	☼	109	75 - 135

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*72*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*81*		*25 - 150*
13C4 PFHpA	*82*		*25 - 150*
13C4 PFOA	*83*		*25 - 150*
13C5 PFNA	*85*		*25 - 150*
13C2 PFDA	*88*		*25 - 150*
13C2 PFUnA	*85*		*25 - 150*
13C2 PFDoA	*84*		*25 - 150*
13C2 PFTeDA	*88*		*25 - 150*
13C3 PFBS	*79*		*25 - 150*
18O2 PFHxS	*76*		*25 - 150*
13C4 PFOS	*86*		*25 - 150*
13C8 FOSA	*87*		*25 - 150*
d3-NMeFOSAA	*87*		*25 - 150*
d5-NEtFOSAA	*99*		*25 - 150*
M2-6:2 FTS	*99*		*25 - 150*
M2-8:2 FTS	*114*		*25 - 150*

Lab Sample ID: 180-128974-63 MSD
Matrix: Solid
Analysis Batch: 538636

Client Sample ID: SSHS-IRM5A2-A1-A28C
Prep Type: Total/NA
Prep Batch: 537740

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.091	J	2.28	2.46		ug/Kg	☼	104	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	ND		2.28	2.30		ug/Kg	☼	101	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	ND		2.28	2.61		ug/Kg	☼	115	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.28	2.46		ug/Kg	☼	108	71 - 131	3	30
Perfluorooctanoic acid (PFOA)	0.094	J	2.28	2.45		ug/Kg	☼	103	72 - 132	8	30
Perfluorononanoic acid (PFNA)	ND		2.28	2.45		ug/Kg	☼	107	73 - 133	8	30
Perfluorodecanoic acid (PFDA)	ND		2.28	2.31		ug/Kg	☼	101	72 - 132	5	30
Perfluoroundecanoic acid (PFUnA)	ND		2.28	2.62		ug/Kg	☼	115	66 - 126	0	30
Perfluorododecanoic acid (PFDoA)	ND		2.28	2.54		ug/Kg	☼	111	71 - 131	2	30
Perfluorotridecanoic acid (PFTriA)	ND		2.28	2.52		ug/Kg	☼	110	71 - 131	2	30

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

Lab Sample ID: 180-128974-63 MSD **Client Sample ID: SSHS-IRM5A2-A1-A28C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 538636 **Prep Batch: 537740**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorotetradecanoic acid (PFTeA)	ND		2.28	2.26		ug/Kg	☼	99	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.01	2.08		ug/Kg	☼	103	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.07	2.09		ug/Kg	☼	101	62 - 122	2	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.17	2.13		ug/Kg	☼	98	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	0.23	I	2.11	2.30	I	ug/Kg	☼	98	68 - 141	11	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.20	2.19		ug/Kg	☼	100	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)	ND		2.28	2.40		ug/Kg	☼	105	77 - 137	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.28	2.61		ug/Kg	☼	115	72 - 132	11	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.28	2.39		ug/Kg	☼	105	72 - 132	0	30
6:2 FTS	ND		2.16	2.36		ug/Kg	☼	109	73 - 139	8	30
8:2 FTS	ND		2.18	2.38		ug/Kg	☼	109	75 - 135	3	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*76*		*25 - 150*
13C5 PFPeA	*87*		*25 - 150*
13C2 PFHxA	*78*		*25 - 150*
13C4 PFHpA	*85*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*92*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*87*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*76*		*25 - 150*
18O2 PFHxS	*86*		*25 - 150*
13C4 PFOS	*90*		*25 - 150*
13C8 FOSA	*90*		*25 - 150*
d3-NMeFOSAA	*80*		*25 - 150*
d5-NEtFOSAA	*96*		*25 - 150*
M2-6:2 FTS	*104*		*25 - 150*
M2-8:2 FTS	*115*		*25 - 150*

LCMS

Prep Batch: 537567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	SHAKE	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	SHAKE	
180-128974-9	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	SHAKE	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	SHAKE	
180-128974-15	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	SHAKE	
180-128974-18	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	SHAKE	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	SHAKE	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	SHAKE	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	SHAKE	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	SHAKE	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	SHAKE	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	SHAKE	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	SHAKE	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	SHAKE	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	SHAKE	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	SHAKE	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	SHAKE	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	SHAKE	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	SHAKE	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	SHAKE	
MB 320-537567/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-537567/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	SHAKE	
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	SHAKE	

Prep Batch: 537740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	SHAKE	
MB 320-537740/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-537740/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-128974-63 MS	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	SHAKE	
180-128974-63 MSD	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	SHAKE	

Analysis Batch: 537974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	537 (modified)	537567
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	537 (modified)	537567
180-128974-9	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	537 (modified)	537567
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	537 (modified)	537567
180-128974-15	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	537 (modified)	537567
180-128974-18	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	537 (modified)	537567
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	537 (modified)	537567
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	537 (modified)	537567
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	537 (modified)	537567
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	537 (modified)	537567
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	537 (modified)	537567
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	537 (modified)	537567
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	537 (modified)	537567
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	537 (modified)	537567
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	537 (modified)	537567
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	537 (modified)	537567

LCMS (Continued)

Analysis Batch: 537974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	537 (modified)	537567
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	537 (modified)	537567
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	537 (modified)	537567
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	537 (modified)	537567
MB 320-537567/1-A	Method Blank	Total/NA	Solid	537 (modified)	537567
LCS 320-537567/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	537567
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	537 (modified)	537567
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	537 (modified)	537567

Analysis Batch: 538636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	537 (modified)	537740
MB 320-537740/1-A	Method Blank	Total/NA	Solid	537 (modified)	537740
LCS 320-537740/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	537740
180-128974-63 MS	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	537 (modified)	537740
180-128974-63 MSD	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	537 (modified)	537740

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A10A	10/25/21	0810	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A10B	10/25/21	0811	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A10C	10/23/21	1050	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A11A	10/25/21	0817	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A11B	10/25/21	0818	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A11C	10/23/21	1100	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A12A	10/25/21	0830	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A12B	10/25/21	0831	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A12C	10/23/21	1130	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A13A	10/25/21	0832	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A13B	10/25/21	0833	G	S	N	N	X								4	

samples A12C, A14C, A15C were recollected 10/27/21 for all analyses except PFAS due to infiltration icewater into containers.
D. Dunlap 10/28/21

180-128974 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer ☐ Return To Client ☐ Disposal By Lab ☐ Archive For

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: Justin Hobart	Date/Time: 10.25.21 1736	Company	Received by:	Date/Time: 10/26/21 1000	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 9.4.4				

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A13C	10/23/21	1145	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A14A	10/25/21	0855	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A14B	10/25/21	0856	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A14C	10/23/21	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A15A	10/25/21	0857	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A15B	10/25/21	0858	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A15C	10/23/21	1400	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A16A	10/25/21	0949	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A16B	10/25/21	0950	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A16C	10/24/21	0935	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A17A	10/25/21	0918	G	S	N	N	X													4	

samples A12C, A14C, A15C were ~~recollected 10/27/21 for all analyses~~ except PFAS due to infiltration ~~icewater into containers.~~ D. Dunlap 10/28/21

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 17:30			10/26/21 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A17B	10/25/21	0919	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A17C	10/24/21	0955	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A18A	10/25/21	1005	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18B	10/25/21	1006	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18C	10/24/21	1025	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A19A	10/25/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19B	10/25/21	1016	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A	10/25/21	1024	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20B	10/25/21	1025	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10-25-21 17:30	Company	Received by:	Date/Time: 10/26/21 10:00	Company EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 4 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

as per Justion Hobart, sample IDs below should be ..._IRM5A2-..., not -IRM5-
D. Dunlap 10/27/21

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5-A1-A21A	10/25/21	1044	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5-A1-A21B	10/25/21	1045	G	S	N	N	X												4	
SSHS-IRM5-A1-A21C	10/24/21	13:30	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-A22A	10/25/21	1200	G	S	N	N	X												4	
SSHS-IRM5-A1-A22B	10/25/21	1201	G	S	N	N	X												4	
SSHS-IRM5-A1-A22C	10/24/21	13:45	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-DUP2A	10/25/21	1109	G	S	N	N	X												4	
SSHS-IRM5-A1-DUP2B	10/25/21	1110	G	S	N	N	X												4	
SSHS-IRM5-A1-DUP2C	10/24/21	1345	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-A23A	10/25/21	1134	G	S	N	N	X												4	
SSHS-IRM5-A1-A23B	10/25/21	1135	G	S	N	N	X												4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 5 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A23C	10/24/21	1435	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A24A	10/25/21	1224	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24B	10/25/21	1225	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24C	10/24/21	1450	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A25A	10/25/21	1201	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25B	20/25/21	1202	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25C	10/24/21	1510	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A26A	10/25/21	1239	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26B	10/25/21	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26C	10/24/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A27A	10/25/21	1259	G	S	N	N	X													4	

A27A recollected 10/27/21, no sample in terracore vials. D. Dunlap 10/28/21

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 1730	Company	Received by:	Date/Time: 10/26/21 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 6 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A27B	10/25/21	1300	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A27C	10/24/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP1A	10/25/21	0917	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1B	10/25/21	0918	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1C	10/23/21	1055	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MS	10/25/21	1050	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MS	10/25/21	1051	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MS	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MSD	10/25/21	1110	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MSD	10/25/21	1111	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MSD	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 1730	Company	Received by:	Date/Time: 10/26/21 10	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: 7 Page of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A28A	10/25/21	1641	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A28B	10/25/21	1642	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A28C	10/25/21	1640	C	S	N	N		X	x	x	x	x	x	x					5	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 10:00	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Home	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
SSHS-IRM5A2-A1-DUP3B	~~10/27/21~~	—	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-DUP3C	~~10/27/21~~	—	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-12	10/27/21	1430	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-14	10/27/21	1450	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-15	10/27/21	1440	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-A27A	10/27/21	1420	G	S	N	N	X									

180-128974 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.27.21 17:30			10/28/21 1000	ETA PIT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-128974 Chain of Custody

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A10A	10/25/21	0810	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A10B	10/25/21	0811	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A10C	10/23/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A11A	10/25/21	0817	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A11B	10/25/21	0818	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A11C	10/23/21	1100	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A12A	10/25/21	0830	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A12B	10/25/21	0831	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A12C	10/23/21	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A13A	10/25/21	0832	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A13B	10/25/21	0833	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	TEST-Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No | Custody Seal No.: 666796 | Cooler Temperature(s) °C and Other Remarks: 4-6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 7
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A13C	10/23/21	1145	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A14A	10/25/21	0855	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A14B	10/25/21	0856	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A14C	10/23/21	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A15A	10/25/21	0857	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A15B	10/25/21	0858	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A15C	10/23/21	1400	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A16A	10/25/21	0949	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A16B	10/25/21	0950	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A16C	10/24/21	0935	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A17A	10/25/21	0918	G	S	N	N	X													4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	REST-SA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 1666796	Cooler Temperature(s) °C and Other Remarks: 4-6

1/6 containers does not list sample date/time. Logged & labeled per COC. NC 10-26-21

11/3/2021

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 7
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 Day TAT			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044				Other:
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A17B	10/25/21	0919	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A17C	10/24/21	0955	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A18A	10/25/21	1005	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18B	10/25/21	1006	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18C	10/24/21	1025	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A19A	10/25/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19B	10/25/21	1016	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A	10/25/21	1024	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20B	10/25/21	1025	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	T-E-T-SA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: X Yes △ No | Custody Seal No.: 686796 | Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 4 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5-A1-A21A	10/25/21	1044	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5-A1-A21B	10/25/21	1045	G	S	N	N	X												4	
SSHS-IRM5-A1-A21C	10/24/21	13:30	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-A22A	10/25/21	1200	G	S	N	N	X												4	
SSHS-IRM5-A1-A22B	10/25/21	1201	G	S	N	N	X												4	
SSHS-IRM5-A1-A22C	10/24/21	13:45	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-DUP2A	10/25/21	1109	G	S	N	N	X												4	
SSHS-IRM5-A1-DUP2B	10/25/21	1110	G	S	N	N	X												4	
SSHS-IRM5-A1-DUP2C	10/24/21	1345	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-A23A	10/25/21	1134	G	S	N	N	X												4	
SSHS-IRM5-A1-A23B	10/25/21	1135	G	S	N	N	X												4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 17:30			10/26/21 0005	TEST-Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: X Yes △ No | Custody Seal No.: 1688796 | Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 5 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A23C	10/24/21	1435	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A24A	10/25/21	1224	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24B	10/25/21	1225	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24C	10/24/21	1450	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A25A	10/25/21	1201	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25B	20/25/21	1202	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25C	10/24/21	1510	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A26A	10/25/21	1239	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26B	10/25/21	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26C	10/24/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A27A	10/25/21	1259	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 17:30			10/26/21 1005	EET SAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 166796 | Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 6 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A27B	10/25/21	1300	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A27C	10/24/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP1A	10/25/21	0917	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1B	10/25/21	0918	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1C	10/23/21	1055	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MS	10/25/21	1050	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MS	10/25/21	1051	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MS	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MSD	10/25/21	1110	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MSD	10/25/21	1111	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MSD	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1007	EEFox
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 166878 | Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: 7 Page of 7
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A28A	10/25/21	1641	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A28B	10/25/21	1642	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A28C	10/25/21	1640	C	S	N	N		X	x	x	x	x	x	x	5	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	PET-Cu
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 168796 | Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-128974 Field Sheet

Job: _____

Tracking # : 7750 1236 4662

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

GSO / OnTrac / Goldstreak / USPS / Other _____

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

Therm. ID: L-05 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet X Gel _____ Other _____

Cooler Custody Seal: 1686796

Cooler ID: _____

Temp Observed: 4.6 °C Corrected: 4.6 °C

From: Temp Blank ☐ Sample ☒

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

Initials: DH Date: 10/26/21

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

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

Initials: NC Date: 10-26-21

Notes: _____

Trizma Lot #(s): _____

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

Initials: NC Date: 10-26-21

WR3-TB


ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
SHIP DATE: 25OCT21
ACTWGT: 50.00 LB
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV 01
PO: 17
REF: MN08321
DEPT. 1751
FedEx Express
TUE - 26 OCT
PRIORITY OVERNIGHT
TRK# 0201 7750 1236 4662
XH BLUA
CA-US
RT 362 1 F
10:30
PZ
4662
10.26
FedEx Ship Manager - Print Your Label(s)
10/25/21, 9:53 AM
eurofins | Environment Testing TestAmerica
1688796
Custody Seal
SIGNATURE
DATE

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128974-2

Login Number: 128974
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128974-2

Login Number: 128974
List Number: 3
Creator: Kovitch, Christina M

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128974-2

Login Number: 128974
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento
List Creation: 10/26/21 06:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688796
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129110-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/4/2021 3:51:40 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-129110-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129110-2

Comments
Notation was made to the coc regarding re-use resamples to be reported with original samples in a different report.

Receipt
The samples were received on 10/28/2021 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition (except as noted above), and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.6º C,3.2º C, and 3.7º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was below the established ratio limits for the following samples: SSHS-IRM5A2-A1-A29C (180-129110-3), SSHS-IRM5A2-A1-A30C (180-129110-6), SSHS-IRM5A2-A1-A31C (180-129110-9), SSHS-IRM5A2-A1-A32C (180-129110-12), SSHS-IRM5A2-A1-A33C (180-129110-15), SSHS-IRM5A2-A1-A34C (180-129110-18), SSHS-IRM5A2-A1-A35C (180-129110-21), and SSHS-IRM5A2-A1-DUP3C (180-129110-24). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

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

Sample Summary

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

Job ID: 180-129110-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129110-3	SSHS-IRM5A2-A1-A29C	Solid	10/27/21 10:30	10/28/21 10:00
180-129110-6	SSHS-IRM5A2-A1-A30C	Solid	10/27/21 10:50	10/28/21 10:00
180-129110-9	SSHS-IRM5A2-A1-A31C	Solid	10/27/21 11:30	10/28/21 10:00
180-129110-12	SSHS-IRM5A2-A1-A32C	Solid	10/27/21 12:50	10/28/21 10:00
180-129110-15	SSHS-IRM5A2-A1-A33C	Solid	10/27/21 13:20	10/28/21 10:00
180-129110-18	SSHS-IRM5A2-A1-A34C	Solid	10/27/21 13:35	10/28/21 10:00
180-129110-21	SSHS-IRM5A2-A1-A35C	Solid	10/27/21 14:00	10/28/21 10:00
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Solid	10/27/21 00:00	10/28/21 10:00

Method Summary

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

Job ID: 180-129110-2

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-129110-2

Client Sample ID: SSHS-IRM5A2-A1-A29C
Lab Sample ID: 180-129110-3
Date Collected: 10/27/21 10:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 10:12	S1M	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A30C
Lab Sample ID: 180-129110-6
Date Collected: 10/27/21 10:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.61 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 10:43	S1M	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A31C
Lab Sample ID: 180-129110-9
Date Collected: 10/27/21 11:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.51 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 10:54	S1M	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A32C
Lab Sample ID: 180-129110-12
Date Collected: 10/27/21 12:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.56 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 11:04	S1M	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A33C
Lab Sample ID: 180-129110-15
Date Collected: 10/27/21 13:20
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.50 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 11:15	S1M	TAL SAC
	Instrument ID: A13									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A34C — Lab Sample ID: 180-129110-18

Date Collected: 10/27/21 13:35 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.59 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 11:25	S1M	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A35C — Lab Sample ID: 180-129110-21

Date Collected: 10/27/21 14:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.21 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 11:56	S1M	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-DUP3C — Lab Sample ID: 180-129110-24

Date Collected: 10/27/21 00:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 83.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	538244	10/29/21 11:36	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			538587	10/30/21 12:07	S1M	TAL SAC
	Instrument ID: A13									

Laboratory References:

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

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

S1M = Sudarat Mongkol

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

Job ID: 180-129110-2

Client Sample ID: SSHS-IRM5A2-A1-A29C
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-3
Matrix: Solid
Percent Solids: 85.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.11**	**J**	0.23	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorooctanoic acid (PFOA)	**0.097**	**J**	0.23	0.061	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J I**	0.23	0.049	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 10:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C5 PFPeA	*79*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C2 PFHxA	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C4 PFHpA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C4 PFOA	*88*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C5 PFNA	*63*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C2 PFDA	*61*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C2 PFUnA	*66*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C2 PFDoA	*68*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C3 PFBS	*93*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
18O2 PFHxS	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C4 PFOS	*62*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
13C8 FOSA	*62*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
d3-NMeFOSAA	*60*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
d5-NEtFOSAA	*66*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:12*	*1*

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

Job ID: 180-129110-2

Client Sample ID: SSHS-IRM5A2-A1-A30C
Date Collected: 10/27/21 10:50
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-6
Matrix: Solid
Percent Solids: 87.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.20	0.047	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorooctanoic acid (PFOA)	**0.088**	**J**	0.20	0.054	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**	**I**	0.20	0.044	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	10/29/21 11:36	10/30/21 10:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C5 PFPeA	*78*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C2 PFHxA	*90*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C4 PFHpA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C4 PFOA	*104*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C5 PFNA	*79*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C2 PFDA	*87*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C2 PFUnA	*91*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C2 PFDoA	*80*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C3 PFBS	*96*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
18O2 PFHxS	*98*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C4 PFOS	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
13C8 FOSA	*77*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:43*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A31C
Lab Sample ID: 180-129110-9
Date Collected: 10/27/21 11:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.094**	**J**	0.21	0.048	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorooctanoic acid (PFOA)	**0.073**	**J**	0.21	0.056	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorooctanesulfonic acid (PFOS)	**0.18**	**J I**	0.21	0.045	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/29/21 11:36	10/30/21 10:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C5 PFPeA	*77*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C2 PFHxA	*84*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C4 PFHpA	*80*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C4 PFOA	*89*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C5 PFNA	*58*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C2 PFDA	*65*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C2 PFUnA	*65*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C2 PFDoA	*79*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C3 PFBS	*96*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C4 PFOS	*60*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
13C8 FOSA	*62*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
d3-NMeFOSAA	*60*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
d5-NEtFOSAA	*68*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*
M2-8:2 FTS	*63*		*25 - 150*	*10/29/21 11:36*	*10/30/21 10:54*	*1*

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

Job ID: 180-129110-2

Client Sample ID: SSHS-IRM5A2-A1-A32C
Date Collected: 10/27/21 12:50
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-12
Matrix: Solid
Percent Solids: 79.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.17**	**J**	0.23	0.052	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorooctanoic acid (PFOA)	**0.10**	**J**	0.23	0.060	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorooctanesulfonic acid (PFOS)	**0.15**	**J I**	0.23	0.049	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 11:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*122*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C5 PFPeA	*85*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C2 PFHxA	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C4 PFHpA	*84*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C4 PFOA	*92*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C5 PFNA	*63*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C2 PFDA	*65*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C2 PFUnA	*67*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C2 PFDoA	*71*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C3 PFBS	*109*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C4 PFOS	*69*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
13C8 FOSA	*59*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
d3-NMeFOSAA	*64*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
d5-NEtFOSAA	*64*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
M2-6:2 FTS	*94*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*
M2-8:2 FTS	*66*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:04*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A33C
Lab Sample ID: 180-129110-15
Date Collected: 10/27/21 13:20
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 84.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.083**	**J**	0.22	0.050	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorooctanoic acid (PFOA)	**0.10**	**J**	0.22	0.057	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**	**I**	0.22	0.047	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	10/29/21 11:36	10/30/21 11:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*112*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C5 PFPeA	*80*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C2 PFHxA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C4 PFHpA	*82*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C5 PFNA	*60*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C2 PFDA	*57*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C2 PFUnA	*58*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C2 PFDoA	*71*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C3 PFBS	*90*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
18O2 PFHxS	*95*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C4 PFOS	*52*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
13C8 FOSA	*58*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
d3-NMeFOSAA	*52*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
d5-NEtFOSAA	*58*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*
M2-8:2 FTS	*70*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:15*	*1*

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

Job ID: 180-129110-2

Client Sample ID: SSHS-IRM5A2-A1-A34C
Date Collected: 10/27/21 13:35
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-18
Matrix: Solid
Percent Solids: 85.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.10**	**J**	0.21	0.048	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorooctanoic acid (PFOA)	**0.088**	**J**	0.21	0.056	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.18**	**J I**	0.21	0.045	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/29/21 11:36	10/30/21 11:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C5 PFPeA	*70*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C2 PFHxA	*78*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C4 PFHpA	*75*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C4 PFOA	*92*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C5 PFNA	*52*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C2 PFDA	*57*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C2 PFUnA	*56*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C2 PFDoA	*67*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C3 PFBS	*85*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
18O2 PFHxS	*87*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C4 PFOS	*54*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
13C8 FOSA	*54*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
d3-NMeFOSAA	*53*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
d5-NEtFOSAA	*51*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
M2-6:2 FTS	*71*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*
M2-8:2 FTS	*66*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:25*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A35C
Lab Sample ID: 180-129110-21
Date Collected: 10/27/21 14:00
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.22	0.051	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorooctanoic acid (PFOA)	**0.068**	**J**	0.22	0.059	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J I**	0.22	0.048	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/29/21 11:36	10/30/21 11:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C5 PFPeA	*85*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C2 PFHxA	*82*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C4 PFHpA	*78*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C4 PFOA	*89*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C5 PFNA	*61*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C2 PFDA	*57*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C2 PFUnA	*57*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C2 PFDoA	*59*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
18O2 PFHxS	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C4 PFOS	*58*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
13C8 FOSA	*57*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
d3-NMeFOSAA	*49*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
d5-NEtFOSAA	*54*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*
M2-8:2 FTS	*62*		*25 - 150*	*10/29/21 11:36*	*10/30/21 11:56*	*1*

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

Job ID: 180-129110-2

Client Sample ID: SSHS-IRM5A2-A1-DUP3C
Date Collected: 10/27/21 00:00
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-24
Matrix: Solid
Percent Solids: 83.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.22	0.051	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorooctanoic acid (PFOA)	**0.090**	**J**	0.22	0.059	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorohexanesulfonic acid (PFHxS)	**0.042**	**J**	0.22	0.032	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.23**	**I**	0.22	0.048	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/29/21 11:36	10/30/21 12:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C5 PFPeA	*79*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C2 PFHxA	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C4 PFHpA	*85*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C4 PFOA	*103*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C5 PFNA	*75*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C2 PFDA	*75*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C2 PFUnA	*72*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C2 PFDoA	*65*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C3 PFBS	*103*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
18O2 PFHxS	*98*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C4 PFOS	*84*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
13C8 FOSA	*70*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
d3-NMeFOSAA	*63*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
d5-NEtFOSAA	*65*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
M2-6:2 FTS	*102*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*10/29/21 11:36*	*10/30/21 12:07*	*1*

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

Job ID: 180-129110-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-538244/1-A
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/29/21 11:36	10/30/21 09:51	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/29/21 11:36	10/30/21 09:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C5 PFPeA	*80*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C2 PFHxA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C4 PFHpA	*87*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C2 PFDA	*82*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C2 PFUnA	*88*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C2 PFDoA	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C3 PFBS	*110*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
18O2 PFHxS	*98*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C4 PFOS	*90*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
13C8 FOSA	*83*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*10/29/21 11:36*	*10/30/21 09:51*	*1*

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

Lab Sample ID: LCS 320-538244/2-A
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.80		ug/Kg		90	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.82		ug/Kg		91	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.83		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.76		ug/Kg		88	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.62		ug/Kg		81	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.90		ug/Kg		95	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.85		ug/Kg		92	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.87		ug/Kg		94	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.87		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.46		ug/Kg		82	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.56		ug/Kg		86	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.69		ug/Kg		89	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.51		ug/Kg		82	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.62		ug/Kg		84	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.99		ug/Kg		100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.72		ug/Kg		86	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.80		ug/Kg		90	72 - 132
6:2 FTS	1.90	1.64		ug/Kg		87	73 - 139
8:2 FTS	1.92	1.61		ug/Kg		84	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*110*		*25 - 150*
13C5 PFPeA	*95*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*101*		*25 - 150*
13C4 PFOA	*112*		*25 - 150*
13C5 PFNA	*96*		*25 - 150*
13C2 PFDA	*91*		*25 - 150*
13C2 PFUnA	*93*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*
13C2 PFTeDA	*105*		*25 - 150*
13C3 PFBS	*110*		*25 - 150*
18O2 PFHxS	*112*		*25 - 150*
13C4 PFOS	*101*		*25 - 150*
13C8 FOSA	*90*		*25 - 150*
d3-NMeFOSAA	*92*		*25 - 150*
d5-NEtFOSAA	*99*		*25 - 150*

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

Lab Sample ID: LCS 320-538244/2-A
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538244

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*108*		*25 - 150*
M2-8:2 FTS	*95*		*25 - 150*

Lab Sample ID: 180-129110-3 MS
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA
Prep Batch: 538244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.11	J	2.18	2.24		ug/Kg	☼	97	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.18	1.93		ug/Kg	☼	89	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.18	1.93		ug/Kg	☼	89	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.18	2.17		ug/Kg	☼	100	71 - 131
Perfluorooctanoic acid (PFOA)	0.097	J	2.18	2.07		ug/Kg	☼	90	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.18	2.22		ug/Kg	☼	102	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.18	2.03		ug/Kg	☼	93	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.18	2.12		ug/Kg	☼	97	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.18	2.05		ug/Kg	☼	94	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.18	2.38		ug/Kg	☼	109	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.18	1.98		ug/Kg	☼	91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.92	1.67		ug/Kg	☼	87	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.98	1.90		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.07	2.18		ug/Kg	☼	105	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.19	J I	2.02	1.94		ug/Kg	☼	87	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.10	2.10		ug/Kg	☼	100	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.18	2.32		ug/Kg	☼	107	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.18	2.09		ug/Kg	☼	96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.18	1.82		ug/Kg	☼	83	72 - 132
6:2 FTS	ND		2.06	2.02		ug/Kg	☼	98	73 - 139
8:2 FTS	ND		2.09	2.16		ug/Kg	☼	104	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*102*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*82*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*68*		*25 - 150*
13C2 PFDA	*72*		*25 - 150*
13C2 PFUnA	*70*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*

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

Lab Sample ID: 180-129110-3 MS
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA
Prep Batch: 538244

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	94		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	71		25 - 150
13C8 FOSA	65		25 - 150
d3-NMeFOSAA	64		25 - 150
d5-NEtFOSAA	73		25 - 150
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	73		25 - 150

Lab Sample ID: 180-129110-3 MSD
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA
Prep Batch: 538244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.11	J	2.12	2.09		ug/Kg	☼	93	76 - 136	7	30
Perfluoropentanoic acid (PFPeA)	ND		2.12	2.00		ug/Kg	☼	94	69 - 129	4	30
Perfluorohexanoic acid (PFHxA)	ND		2.12	1.97		ug/Kg	☼	93	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)	ND		2.12	2.07		ug/Kg	☼	98	71 - 131	5	30
Perfluorooctanoic acid (PFOA)	0.097	J	2.12	1.92		ug/Kg	☼	86	72 - 132	7	30
Perfluorononanoic acid (PFNA)	ND		2.12	2.17		ug/Kg	☼	103	73 - 133	2	30
Perfluorodecanoic acid (PFDA)	ND		2.12	2.04		ug/Kg	☼	96	72 - 132	1	30
Perfluoroundecanoic acid (PFUnA)	ND		2.12	1.93		ug/Kg	☼	91	66 - 126	9	30
Perfluorododecanoic acid (PFDoA)	ND		2.12	2.22		ug/Kg	☼	105	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)	ND		2.12	2.54		ug/Kg	☼	120	71 - 131	7	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.12	1.88		ug/Kg	☼	89	67 - 127	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.88	1.54		ug/Kg	☼	82	69 - 129	8	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.93	1.82		ug/Kg	☼	94	62 - 122	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.02	1.95		ug/Kg	☼	96	76 - 136	11	30
Perfluorooctanesulfonic acid (PFOS)	0.19	J I	1.97	1.89		ug/Kg	☼	86	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.05	1.63		ug/Kg	☼	80	71 - 131	25	30
Perfluorooctanesulfonamide (FOSA)	ND		2.12	1.99		ug/Kg	☼	94	77 - 137	15	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.12	2.04		ug/Kg	☼	96	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.12	1.94		ug/Kg	☼	91	72 - 132	6	30
6:2 FTS	ND		2.01	2.06		ug/Kg	☼	102	73 - 139	2	30
8:2 FTS	ND		2.03	1.97		ug/Kg	☼	97	75 - 135	9	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	109		25 - 150
13C5 PFPeA	87		25 - 150

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

Lab Sample ID: 180-129110-3 MSD
Matrix: Solid
Analysis Batch: 538587

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA
Prep Batch: 538244

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	91		25 - 150
13C4 PFHpA	86		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	81		25 - 150
13C2 PFDA	87		25 - 150
13C2 PFUnA	80		25 - 150
13C2 PFDoA	77		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	99		25 - 150
18O2 PFHxS	101		25 - 150
13C4 PFOS	89		25 - 150
13C8 FOSA	84		25 - 150
d3-NMeFOSAA	68		25 - 150
d5-NEtFOSAA	71		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	89		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 538244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	SHAKE	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	SHAKE	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	SHAKE	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	SHAKE	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	SHAKE	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	SHAKE	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	SHAKE	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	SHAKE	
MB 320-538244/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-538244/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-129110-3 MS	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	SHAKE	
180-129110-3 MSD	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	SHAKE	

Analysis Batch: 538587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	537 (modified)	538244
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	537 (modified)	538244
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	537 (modified)	538244
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	537 (modified)	538244
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	537 (modified)	538244
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	537 (modified)	538244
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	537 (modified)	538244
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	537 (modified)	538244
MB 320-538244/1-A	Method Blank	Total/NA	Solid	537 (modified)	538244
LCS 320-538244/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	538244
180-129110-3 MS	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	537 (modified)	538244
180-129110-3 MSD	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	537 (modified)	538244

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A29A	10/27/21	1031	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A29B	10/27/21	1032	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A29C	10/27/21	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A30A	10/27/21	1051	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30B	10/27/21	1052	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30C	10/27/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A31A	10/27/21	1131	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31B	10/27/21	1132	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31C	10/27/21	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A32A	10/27/21	1251	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A32B	10/27/21	1252	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Justin Hobart	10-27-21 13:30			10/28/21 1000	EAT Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

180-129110 Chain of Custody

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A32C	10/27/21	1250	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A33A	10/27/21	1321	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A33B	10/27/21	1322	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A33C	10/27/21	1320	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A34A	10/27/21	1336	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A34B	10/27/21	1337	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A34C	10/27/21	1335	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A35A	10/27/21	1401	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A35B	10/27/21	1402	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A35C	10/27/21	1400	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP3A	10/27/21	—	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

11/4/2021

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Home	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-DUP3B	10/27/21	---	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-DUP3C	10/27/21	---	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-12 ID should be -A12C *	10/27/21	1430	C	S	N	N		X	X	X	X	X	X	X							No additional PFAS sample collected
SSHS-IRM5A2-A1-14 ID should be -A14C *	10/27/21	1450	C	S	N	N		X	X	X	X	X	X	X							No additional PFAS sample collected
SSHS-IRM5A2-A1-15 ID should be -A15C *	10/27/21	1440	C	S	N	N		X	X	X	X	X	X	X							No additional PFAS sample collected
SSHS-IRM5A2-A1-A27A *	10/27/21	1420	G	S	N	N	X														

* indicates sample is re-sample and is to be reported with original samples in lab login 180-128974. PFAS are being completed from original samples collected original samples had infiltration of melted ice-water into sample containers. D. Dunlap 10/28/21

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.27.21 17:30			10/28/21 1000	EST PIT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-129110 Chain of Custody

H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A29A	10/27/21	1031	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A29B	10/27/21	1032	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A29C	10/27/21	1030	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A30A	10/27/21	1051	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A30B	10/27/21	1052	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A30C	10/27/21	1050	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A31A	10/27/21	1131	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A31B	10/27/21	1132	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A31C	10/27/21	1130	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A32A	10/27/21	1251	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A32B	10/27/21	1252	G	S	N	N	X								4	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.27.21 17:30	Company	Received by:	Date/Time: 10/28/21 10:30	Company EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 168799 | Cooler Temperature(s) °C and Other Remarks: 3.2

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A29A	10/27/21	1031	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A29B	10/27/21	1032	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A29C	10/27/21	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A30A	10/27/21	1051	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30B	10/27/21	1052	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30C	10/27/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A31A	10/27/21	1131	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31B	10/27/21	1132	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31C	10/27/21	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A32A	10/27/21	1251	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A32B	10/27/21	1252	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10-27-21 17:30			10/28/21 1030	EET-En
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No	Custody Seal No.: 1688799	Cooler Temperature(s) °C and Other Remarks: 3.2c

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 Day TAT		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-DUP3B	10/27/21	---	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-DUP3C	10/27/21	---	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-12	10/27/21	1430	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-14	10/27/21	1450	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-15	10/27/21	1440	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-A27A	10/27/21	1420	G	S	N	N	X									

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Justin Hobart	10.27.21 17:30			10/28/21 1030	ETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1688199 | Cooler Temperature(s) °C and Other Remarks: 3-2

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-129110 Field Sheet

Job: _____

Tracking # : 7750 1247 7941

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

GSO / OnTrac / Goldstreak / USPS / Other _____

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

Therm. ID: L-04 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 1666799

Cooler ID: _____

Temp Observed: 3.2 °C Corrected: 3.2 °C

From: Temp Blank ☒ Sample ☐

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

Initials: DV Date: 10/28/21

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

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

Initials: NC Date: 10-28-21

Notes: _____

Trizma Lot #(s): _____

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

Initials: NC Date: 10-28-21

WR3-318



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP D
ACTWGT: 27OCT21
CAD: 2: 50.00 LB
DIMS: 3144956/INET4400
18x12 IN
BILL SE ER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600 REF: MN08321
INV: 01
PO: 17 DEPT: 1751

FedEx Ship Manager - Print Your Label(s)

FedEx

THU - 28 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7750 1247 7941

XH BLUA

95605
CA-US SMF

362
1
10:30
F
7941
10:28

10/25/21, 10:02 AM

Environment Testing
TestAmerica

1688799

Custody Seal

DATE

SIGNATURE

1688799

Environment Testing
TestAmerica

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129110-2

Login Number: 129110
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129110-2

Login Number: 129110
List Number: 2
Creator: Cahill, Nicholas P

List Source: Eurofins TestAmerica, Sacramento
List Creation: 10/28/21 08:29 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688799
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-128923-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/5/2021 10:48:40 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-128923-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128923-1

Comments
Notation was made to the coc regarding a sample collection time.

Receipt
The samples were received on 10/23/21 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 5.6º C and 5.8º C.

GC/MS VOA
Method 8260C: Sample SSHS-IRM5A2-A1-A6B (180-128923-18) was initially analyzed from an aqueous preserved terracore and had the concentration of acetone over the calibration range. The sample was re-analyzed from the methanol preserved terracore, but acetone was not detected. The second aqueous preserved terracore was then analyzed and had the concentration of acetone over the calibration range. This analysis also had all surrogate recoveries below the control limits. Results of all three analyses were reported.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for preparation batch 180-376529 and analytical batch 180-376513 recovered above the control limits for the following analyte: sec-Butylbenzene. As this analyte was biased high in the LCS/LCSD and was not detected in the associated sample, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376365 was below criteria for the following analyte: 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376373 was below criteria for the following analytes: 2-Butanone, Acetone, and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376513 was below criteria for the following analytes: 1,1,1-Trichloroethane, 1,2-Dichloroethane, and Carbon tetrachloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376513 was above criteria for the following analytes: n-Butylbenzene, N-Propylbenzene, and sec-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376795 was below criteria for the following analytes: 1,4-Dioxane, Vinyl chloride, Acetone, Methyl tert-butyl ether, and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A1-A3C (180-128923-7), SSHS-IRM5A2-A1-A5C (180-128923-13), and SSHS-IRM5A2-A1-A6C (180-128923-16). Elevated reporting limits (RLs) are provided.

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

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

Job ID: 180-128923-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A1C (180-128923-1) had several recoveries below the control limits and the RPD between the spikes for manganese above the control limits. The recoveries of the laboratory control sample were within the control limits.

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

General Chemistry
Method 7196A: The ICV & ICB (ICV 180-377047/72) and (ICB 180-377047/73) are listed at end of batch 377047; however the analyst noted in the data review checklist that these were analyzed prior to the samples, but were mistakenly not added to the TALS batch in the proper sequence. They were added at the end of the batch and met all QC criteria.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-128923-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

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

General Chemistry

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

Glossary

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

Glossary (Continued)

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128923-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

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

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

Sample Summary

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

Job ID: 180-128923-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128923-1	SSHS-IRM5A2-A1-A1C	Solid	10/22/21 13:30	10/23/21 10:30
180-128923-2	SSHS-IRM5A2-A1-A1A	Solid	10/22/21 13:40	10/23/21 10:30
180-128923-3	SSHS-IRM5A2-A1-A1B	Solid	10/22/21 13:43	10/23/21 10:30
180-128923-4	SSHS-IRM5A2-A1-A2C	Solid	10/22/21 13:25	10/23/21 10:30
180-128923-5	SSHS-IRM5A2-A1-A2A	Solid	10/22/21 13:30	10/23/21 10:30
180-128923-6	SSHS-IRM5A2-A1-A2B	Solid	10/22/21 13:35	10/23/21 10:30
180-128923-7	SSHS-IRM5A2-A1-A3C	Solid	10/22/21 13:50	10/23/21 10:30
180-128923-8	SSHS-IRM5A2-A1-A3A	Solid	10/22/21 13:56	10/23/21 10:30
180-128923-9	SSHS-IRM5A2-A1-A3B	Solid	10/22/21 13:57	10/23/21 10:30
180-128923-10	SSHS-IRM5A2-A1-A4C	Solid	10/22/21 14:45	10/23/21 10:30
180-128923-11	SSHS-IRM5A2-A1-A4A	Solid	10/22/21 14:48	10/23/21 10:30
180-128923-12	SSHS-IRM5A2-A1-A4B	Solid	10/22/21 14:56	10/23/21 10:30
180-128923-13	SSHS-IRM5A2-A1-A5C	Solid	10/22/21 15:00	10/23/21 10:30
180-128923-14	SSHS-IRM5A2-A1-A5A	Solid	10/22/21 15:01	10/23/21 10:30
180-128923-15	SSHS-IRM5A2-A1-A5B	Solid	10/22/21 15:02	10/23/21 10:30
180-128923-16	SSHS-IRM5A2-A1-A6C	Solid	10/22/21 15:10	10/23/21 10:30
180-128923-17	SSHS-IRM5A2-A1-A6A	Solid	10/22/21 15:13	10/23/21 10:30
180-128923-18	SSHS-IRM5A2-A1-A6B	Solid	10/22/21 15:12	10/23/21 10:30
180-128923-19	SSHS-IRM5A2-A1-A7C	Solid	10/22/21 17:10	10/23/21 10:30
180-128923-20	SSHS-IRM5A2-A1-A7A	Solid	10/22/21 17:15	10/23/21 10:30
180-128923-21	SSHS-IRM5A2-A1-A7B	Solid	10/22/21 17:20	10/23/21 10:30
180-128923-22	SSHS-IRM5A2-A1-A8C	Solid	10/22/21 17:30	10/23/21 10:30
180-128923-23	SSHS-IRM5A2-A1-A8A	Solid	10/22/21 17:35	10/23/21 10:30
180-128923-24	SSHS-IRM5A2-A1-A8B	Solid	10/22/21 17:40	10/23/21 10:30
180-128923-25	SSHS-IRM5A2-A1-A9C	Solid	10/22/21 17:50	10/23/21 10:30
180-128923-26	SSHS-IRM5A2-A1-A9A	Solid	10/22/21 17:55	10/23/21 10:30
180-128923-27	SSHS-IRM5A2-A1-A9B	Solid	10/22/21 18:00	10/23/21 10:30

Method Summary

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

Job ID: 180-128923-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128923-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A1C
Lab Sample ID: 180-128923-1
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A1C
Lab Sample ID: 180-128923-1
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	376478	10/25/21 18:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376532	10/26/21 12:11	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 19:42	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.51 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 17:13	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.69 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 11:54	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:36	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:00	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A1A
Lab Sample ID: 180-128923-2
Date Collected: 10/22/21 13:40
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A1A
Lab Sample ID: 180-128923-2
Date Collected: 10/22/21 13:40
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.926 g	5 mL	376520	10/26/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376497	10/26/21 12:13	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A1B

Lab Sample ID: 180-128923-3
Date Collected: 10/22/21 13:43
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A1B

Lab Sample ID: 180-128923-3
Date Collected: 10/22/21 13:43
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5538 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 16:09	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A2C

Lab Sample ID: 180-128923-4
Date Collected: 10/22/21 13:25
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A2C

Lab Sample ID: 180-128923-4
Date Collected: 10/22/21 13:25
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	376478	10/25/21 18:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376532	10/26/21 12:32	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 20:01	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.39 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 17:35	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 11:58	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:37	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:02	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A2A
Lab Sample ID: 180-128923-5
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A2A
Lab Sample ID: 180-128923-5
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8526 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 15:43	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A2B
Lab Sample ID: 180-128923-6
Date Collected: 10/22/21 13:35
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A2B
Lab Sample ID: 180-128923-6
Date Collected: 10/22/21 13:35
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5645 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 15:18	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A3C
Lab Sample ID: 180-128923-7
Date Collected: 10/22/21 13:50
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A3C
Lab Sample ID: 180-128923-7
Date Collected: 10/22/21 13:50
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		3	1 mL	1 mL	376825	10/28/21 14:10	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A3C

Lab Sample ID: 180-128923-7
Date Collected: 10/22/21 13:50
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 20:19	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.44 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 17:48	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.71 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 11:59	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:38	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:03	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A3A

Lab Sample ID: 180-128923-8
Date Collected: 10/22/21 13:56
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A3A

Lab Sample ID: 180-128923-8
Date Collected: 10/22/21 13:56
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3247 g	5 mL	376520	10/26/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376497	10/26/21 11:26	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A3B

Lab Sample ID: 180-128923-9
Date Collected: 10/22/21 13:57
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A3B

Lab Sample ID: 180-128923-9
Date Collected: 10/22/21 13:57
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2181 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 14:27	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A4C

Lab Sample ID: 180-128923-10
Date Collected: 10/22/21 14:45
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A4C

Lab Sample ID: 180-128923-10
Date Collected: 10/22/21 14:45
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376825	10/28/21 14:32	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 20:38	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.66 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 17:53	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 12:00	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.55 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:39	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:05	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A4A

Lab Sample ID: 180-128923-11
Date Collected: 10/22/21 14:48
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A4A
Date Collected: 10/22/21 14:48
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-11
Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7192 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 14:02	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A4B
Date Collected: 10/22/21 14:56
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A4B
Date Collected: 10/22/21 14:56
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-12
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6243 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 13:37	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A5C
Date Collected: 10/22/21 15:00
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A5C
Date Collected: 10/22/21 15:00
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-13
Matrix: Solid
Percent Solids: 52.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		3	1 mL	1 mL	376825	10/28/21 14:54	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 20:57	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.77 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 17:58	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A5C
Lab Sample ID: 180-128923-13
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 52.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.95 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 12:01	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:40	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:07	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A5A
Lab Sample ID: 180-128923-14
Date Collected: 10/22/21 15:01
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A5A
Lab Sample ID: 180-128923-14
Date Collected: 10/22/21 15:01
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0065 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 13:11	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A5B
Lab Sample ID: 180-128923-15
Date Collected: 10/22/21 15:02
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A5B
Lab Sample ID: 180-128923-15
Date Collected: 10/22/21 15:02
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2585 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 12:46	C1K	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A6C
Date Collected: 10/22/21 15:10
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A6C
Date Collected: 10/22/21 15:10
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-16
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	376825	10/28/21 15:17	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 21:15	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.57 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 18:02	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 12:02	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:41	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:09	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A6A
Date Collected: 10/22/21 15:13
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376471	10/25/21 17:29	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A6A
Date Collected: 10/22/21 15:13
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-17
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9289 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 12:21	C1K	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A6B
Lab Sample ID: 180-128923-18
Date Collected: 10/22/21 15:12
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A6B
Lab Sample ID: 180-128923-18
Date Collected: 10/22/21 15:12
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.869 g	5 mL	376413	10/25/21 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376373	10/25/21 16:59	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		5.8405 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	376795	10/28/21 18:12	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA2		5.0606 g	5 mL	376529	10/26/21 07:10	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA2	1	0.1 mL	5 mL	376513	10/26/21 13:22	C1K	TAL PIT
	Instrument ID: CHHP6									

Client Sample ID: SSHS-IRM5A2-A1-A7C
Lab Sample ID: 180-128923-19
Date Collected: 10/22/21 17:10
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A7C
Lab Sample ID: 180-128923-19
Date Collected: 10/22/21 17:10
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376825	10/28/21 15:39	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	376775	10/27/21 22:56	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 21:34	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.69 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 18:07	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 12:05	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A7C
Lab Sample ID: 180-128923-19
Date Collected: 10/22/21 17:10
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:45	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:10	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A7A
Lab Sample ID: 180-128923-20
Date Collected: 10/22/21 17:15
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A7A
Lab Sample ID: 180-128923-20
Date Collected: 10/22/21 17:15
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9974 g	5 mL	376384	10/25/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376365	10/25/21 21:12	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A7B
Lab Sample ID: 180-128923-21
Date Collected: 10/22/21 17:20
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A7B
Lab Sample ID: 180-128923-21
Date Collected: 10/22/21 17:20
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9589 g	5 mL	376384	10/25/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376365	10/25/21 20:49	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128923-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A8C
Lab Sample ID: 180-128923-22
Date Collected: 10/22/21 17:30
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A8C
Lab Sample ID: 180-128923-22
Date Collected: 10/22/21 17:30
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376825	10/28/21 16:01	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	376775	10/27/21 23:00	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 21:52	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.48 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 18:11	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 12:06	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:46	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:12	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A8A
Lab Sample ID: 180-128923-23
Date Collected: 10/22/21 17:35
Matrix: Solid
Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A8A
Lab Sample ID: 180-128923-23
Date Collected: 10/22/21 17:35
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1519 g	5 mL	376384	10/25/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376365	10/25/21 20:26	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A8B

Lab Sample ID: 180-128923-24

Date Collected: 10/22/21 17:40

Matrix: Solid

Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A8B

Lab Sample ID: 180-128923-24

Date Collected: 10/22/21 17:40

Matrix: Solid

Date Received: 10/23/21 10:30

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0968 g	5 mL	376384	10/25/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376365	10/25/21 20:03	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A9C

Lab Sample ID: 180-128923-25

Date Collected: 10/22/21 17:50

Matrix: Solid

Date Received: 10/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A9C

Lab Sample ID: 180-128923-25

Date Collected: 10/22/21 17:50

Matrix: Solid

Date Received: 10/23/21 10:30

Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376773	10/27/21 19:57	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376825	10/28/21 16:24	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	376775	10/27/21 23:00	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377361	11/02/21 12:29	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377362	11/02/21 12:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377303	11/02/21 22:11	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.80 g	100 mL	376690	10/27/21 11:01	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			376932	10/28/21 18:16	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.78 g	100 mL	376517	10/26/21 07:36	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			376744	10/27/21 12:07	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.45 g	100 mL	376745	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:47	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:17	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A9A
Date Collected: 10/22/21 17:55
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A9A
Date Collected: 10/22/21 17:55
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-26
Matrix: Solid
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0601 g	5 mL	376384	10/25/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376365	10/25/21 19:40	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A9B
Date Collected: 10/22/21 18:00
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376475	10/25/21 17:43	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A9B
Date Collected: 10/22/21 18:00
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-27
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2642 g	5 mL	376384	10/25/21 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376365	10/25/21 19:16	KLG	TAL PIT
	Instrument ID: CHHP3									

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-128923-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KFS = Kelly Shannon
  - KLG = Kathy Gordon
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - C1K = Chamaiporn Krisorn
  - CMR = Carl Reagle
  - DFE = David Eppinger
  - ELS = Edwin Shireman
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A1C
Date Collected: 10/22/21 13:30
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-1
Matrix: Solid
Percent Solids: 85.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0057**	**J**	0.0077	0.0022	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Acenaphthylene	**0.15**		0.0077	0.0017	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Anthracene	**0.095**		0.0077	0.0020	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Benzo[a]anthracene	**0.38**		0.0077	0.0035	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Benzo[a]pyrene	**0.33**		0.0077	0.0033	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Benzo[b]fluoranthene	**0.50**		0.0077	0.0019	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Benzo[g,h,i]perylene	**0.33**		0.0077	0.0017	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Benzo[k]fluoranthene	**0.17**		0.0077	0.0023	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Chrysene	**0.46**		0.0077	0.0043	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Dibenz(a,h)anthracene	**0.093**		0.0077	0.0049	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
1,4-Dioxane	ND		0.077	0.012	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Fluoranthene	**0.48**		0.0077	0.0020	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Fluorene	**0.017**		0.0077	0.0015	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Hexachlorobenzene	ND		0.0077	0.0028	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Hexachlorobutadiene	ND		0.0077	0.0023	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Indeno[1,2,3-cd]pyrene	**0.28**		0.0077	0.0038	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Naphthalene	**0.048**		0.0077	0.0015	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Nitrobenzene	ND		0.077	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Phenanthrene	**0.21**		0.0077	0.0021	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Phenol	ND		0.038	0.012	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Pyrene	**0.63**		0.0077	0.0018	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	10/25/21 18:39	10/26/21 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*37 - 107*	*10/25/21 18:39*	*10/26/21 12:11*	*1*
2-Fluorophenol (Surr)	*76*		*38 - 106*	*10/25/21 18:39*	*10/26/21 12:11*	*1*
Nitrobenzene-d5 (Surr)	*78*		*41 - 112*	*10/25/21 18:39*	*10/26/21 12:11*	*1*
Phenol-d5 (Surr)	*77*		*40 - 110*	*10/25/21 18:39*	*10/26/21 12:11*	*1*
Terphenyl-d14 (Surr)	*85*		*32 - 115*	*10/25/21 18:39*	*10/26/21 12:11*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*22 - 116*	*10/25/21 18:39*	*10/26/21 12:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1254	**0.030**		0.019	0.0057	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1260	**0.022**		0.019	0.0054	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/27/21 22:56	11/02/21 19:42	1

Client Sample ID: SSHS-IRM5A2-A1-A1C
Lab Sample ID: 180-128923-1
Date Collected: 10/22/21 13:30 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 85.9**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*31 - 150*	*10/27/21 22:56*	*11/02/21 19:42*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*31 - 150*	*10/27/21 22:56*	*11/02/21 19:42*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*20 - 150*	*10/27/21 22:56*	*11/02/21 19:42*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*20 - 150*	*10/27/21 22:56*	*11/02/21 19:42*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.77	0.30	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Barium	**70**	**F1**	15	0.83	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Beryllium	**0.37**	**F1**	0.31	0.018	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Cadmium	ND	F1	0.39	0.028	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Chromium	**10**	**F1**	0.39	0.32	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Copper	**17**		1.9	1.8	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Lead	**21**	**F1**	0.77	0.39	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Manganese	**340**	**F2**	1.2	0.31	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Nickel	**16**		3.1	0.19	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Selenium	ND	F1	0.77	0.40	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Silver	ND	F1	0.39	0.081	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1
Zinc	**48**	**F1**	1.5	1.2	mg/Kg	☼	10/27/21 11:01	10/28/21 17:13	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.033	0.021	mg/Kg	☼	10/26/21 07:36	10/27/21 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.1**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**85.9**		0.1	0.1	%			10/25/21 17:29	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 15:36	1
Cyanide, Total	**0.66**		0.53	0.29	mg/Kg	☼	11/03/21 16:45	11/04/21 12:00	1

Client Sample ID: SSHS-IRM5A2-A1-A1A
Lab Sample ID: 180-128923-2
Date Collected: 10/22/21 13:40 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 89.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1

Client Sample ID: SSHS-IRM5A2-A1-A1A
Lab Sample ID: 180-128923-2

Date Collected: 10/22/21 13:40
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	10/26/21 06:30	10/26/21 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*10/26/21 06:30*	*10/26/21 12:13*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*10/26/21 06:30*	*10/26/21 12:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*10/26/21 06:30*	*10/26/21 12:13*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*10/26/21 06:30*	*10/26/21 12:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**89.0**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A1B
Lab Sample ID: 180-128923-3

Date Collected: 10/22/21 13:43
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Ethylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1

Client Sample ID: SSHS-IRM5A2-A1-A1B — Lab Sample ID: 180-128923-3

Date Collected: 10/22/21 13:43 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 90.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
trans-1,2-Dichloroethene	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	10/25/21 07:16	10/25/21 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*10/25/21 07:16*	*10/25/21 16:09*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*10/25/21 07:16*	*10/25/21 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*10/25/21 07:16*	*10/25/21 16:09*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*10/25/21 07:16*	*10/25/21 16:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**90.2**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A2C — Lab Sample ID: 180-128923-4

Date Collected: 10/22/21 13:25 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 84.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.020**		0.0078	0.0022	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Acenaphthylene	**0.51**		0.0078	0.0017	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Anthracene	**0.34**		0.0078	0.0020	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Benzo[a]anthracene	**1.2**		0.0078	0.0035	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Benzo[a]pyrene	**0.88**		0.0078	0.0034	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Benzo[b]fluoranthene	**1.3**		0.0078	0.0019	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Benzo[g,h,i]perylene	**0.92**		0.0078	0.0017	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Benzo[k]fluoranthene	**0.46**		0.0078	0.0023	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Chrysene	**1.4**		0.0078	0.0043	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Dibenz(a,h)anthracene	**0.25**		0.0078	0.0050	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Dibenzofuran	**0.028**	**J**	0.039	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
2,4-Dinitrotoluene	ND		0.039	0.023	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Fluoranthene	**1.3**		0.0078	0.0021	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Fluorene	**0.045**		0.0078	0.0015	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1

Client Sample ID: SSHS-IRM5A2-A1-A2C
Date Collected: 10/22/21 13:25
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-4
Matrix: Solid
Percent Solids: 84.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.91**		0.0078	0.0039	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Methylphenol, 3 & 4	ND		0.039	0.011	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Naphthalene	**0.14**		0.0078	0.0015	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Phenanthrene	**0.33**		0.0078	0.0021	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Phenol	ND		0.039	0.012	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Pyrene	**1.5**		0.0078	0.0018	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	10/25/21 18:39	10/26/21 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*37 - 107*	*10/25/21 18:39*	*10/26/21 12:32*	*1*
2-Fluorophenol (Surr)	*69*		*38 - 106*	*10/25/21 18:39*	*10/26/21 12:32*	*1*
Nitrobenzene-d5 (Surr)	*87*		*41 - 112*	*10/25/21 18:39*	*10/26/21 12:32*	*1*
Phenol-d5 (Surr)	*75*		*40 - 110*	*10/25/21 18:39*	*10/26/21 12:32*	*1*
Terphenyl-d14 (Surr)	*83*		*32 - 115*	*10/25/21 18:39*	*10/26/21 12:32*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*22 - 116*	*10/25/21 18:39*	*10/26/21 12:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1248	ND		0.020	0.0047	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1254	**0.039**		0.020	0.0059	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1260	**0.031**		0.020	0.0056	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	10/27/21 22:56	11/02/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:01*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:01*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.4**		0.85	0.33	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Barium	**78**		17	0.91	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Beryllium	**0.36**		0.34	0.019	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Cadmium	**0.059**	**J**	0.42	0.031	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Chromium	**9.9**		0.42	0.35	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Copper	**17**		2.1	2.0	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Lead	**28**		0.85	0.43	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Manganese	**350**		1.3	0.34	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Nickel	**14**		3.4	0.21	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1

Client Sample ID: SSHS-IRM5A2-A1-A2C
Lab Sample ID: 180-128923-4
Date Collected: 10/22/21 13:25 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 84.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.85	0.44	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Silver	ND		0.42	0.089	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1
Zinc	**47**		1.7	1.3	mg/Kg	☼	10/27/21 11:01	10/28/21 17:35	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**		0.036	0.023	mg/Kg	☼	10/26/21 07:36	10/27/21 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.2**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**84.8**		0.1	0.1	%			10/25/21 17:29	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 15:37	1
Cyanide, Total	**0.57**		0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 12:02	1

Client Sample ID: SSHS-IRM5A2-A1-A2A
Lab Sample ID: 180-128923-5
Date Collected: 10/22/21 13:30 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0038	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,4-Dioxane	ND		0.98	0.035	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1

Client Sample ID: SSHS-IRM5A2-A1-A2A — Lab Sample ID: 180-128923-5

Date Collected: 10/22/21 13:30 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0098	0.0071	mg/Kg	☼	10/25/21 07:16	10/25/21 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*10/25/21 07:16*	*10/25/21 15:43*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*10/25/21 07:16*	*10/25/21 15:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*10/25/21 07:16*	*10/25/21 15:43*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*10/25/21 07:16*	*10/25/21 15:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.0**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**87.0**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A2B — Lab Sample ID: 180-128923-6

Date Collected: 10/22/21 13:35 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 90.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,3-Dichlorobenzene	ND		0.0050	0.0030	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,1-Dichloroethene	ND		0.0050	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,4-Dioxane	ND		0.99	0.035	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Ethylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
sec-Butylbenzene	ND		0.0050	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
trans-1,2-Dichloroethene	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1
Xylenes, Total	ND		0.0099	0.0071	mg/Kg	☼	10/25/21 07:16	10/25/21 15:18	1

Client Sample ID: SSHS-IRM5A2-A1-A2B — Lab Sample ID: 180-128923-6

Date Collected: 10/22/21 13:35 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 90.7**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	60 - 124	10/25/21 07:16	10/25/21 15:18	1
Dibromofluoromethane (Surr)	72		69 - 126	10/25/21 07:16	10/25/21 15:18	1
1,2-Dichloroethane-d4 (Surr)	68	S1-	73 - 135	10/25/21 07:16	10/25/21 15:18	1
Toluene-d8 (Surr)	66	S1-	67 - 134	10/25/21 07:16	10/25/21 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.3**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**90.7**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A3C — Lab Sample ID: 180-128923-7

Date Collected: 10/22/21 13:50 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 85.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.036**		0.023	0.0066	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Acenaphthylene	**0.92**		0.023	0.0051	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Anthracene	**0.70**		0.023	0.0060	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Benzo[a]anthracene	**1.9**		0.023	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Benzo[a]pyrene	**1.5**		0.023	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Benzo[b]fluoranthene	**2.5**		0.023	0.0057	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Benzo[g,h,i]perylene	**1.5**		0.023	0.0050	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Benzo[k]fluoranthene	**0.73**		0.023	0.0069	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Chrysene	**2.0**		0.023	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Dibenz(a,h)anthracene	**0.43**		0.023	0.015	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Dibenzofuran	**0.043**	**J**	0.11	0.043	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
2,4-Dinitrotoluene	ND		0.11	0.069	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
1,4-Dioxane	ND		0.23	0.036	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Fluoranthene	**2.6**		0.023	0.0061	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Fluorene	**0.078**		0.023	0.0045	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Hexachlorobenzene	ND		0.023	0.0083	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Hexachlorobutadiene	ND		0.023	0.0067	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Hexachloroethane	ND		0.11	0.041	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Indeno[1,2,3-cd]pyrene	**1.4**		0.023	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
2-Methylphenol	ND		0.11	0.033	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Methylphenol, 3 & 4	ND		0.11	0.034	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Naphthalene	**0.20**		0.023	0.0045	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Nitrobenzene	ND		0.23	0.042	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Pentachlorophenol	ND		0.59	0.19	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Phenanthrene	**0.65**		0.023	0.0062	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Phenol	ND		0.11	0.035	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Pyrene	**2.8**		0.023	0.0055	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
Pyridine	ND		0.23	0.062	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
2,4,5-Trichlorophenol	ND		0.11	0.040	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3
2,4,6-Trichlorophenol	ND		0.11	0.038	mg/Kg	☼	10/27/21 19:57	10/28/21 14:10	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		37 - 107	10/27/21 19:57	10/28/21 14:10	3
2-Fluorophenol (Surr)	68		38 - 106	10/27/21 19:57	10/28/21 14:10	3
Nitrobenzene-d5 (Surr)	76		41 - 112	10/27/21 19:57	10/28/21 14:10	3

Client Sample ID: SSHS-IRM5A2-A1-A3C
Date Collected: 10/22/21 13:50
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-7
Matrix: Solid
Percent Solids: 85.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*68*		*40 - 110*	*10/27/21 19:57*	*10/28/21 14:10*	*3*
Terphenyl-d14 (Surr)	*80*		*32 - 115*	*10/27/21 19:57*	*10/28/21 14:10*	*3*
2,4,6-Tribromophenol (Surr)	*70*		*22 - 116*	*10/27/21 19:57*	*10/28/21 14:10*	*3*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1248	**0.024**		0.019	0.0046	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1254	**0.030**		0.019	0.0057	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1260	**0.036**		0.019	0.0054	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	10/27/21 22:56	11/02/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*69*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:19*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:19*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:19*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:19*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		0.81	0.32	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Barium	**80**		16	0.87	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Beryllium	**0.38**		0.32	0.019	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Cadmium	**0.098**	**J**	0.41	0.030	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Chromium	**10**		0.41	0.33	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Copper	**17**		2.0	1.9	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Lead	**25**		0.81	0.41	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Manganese	**340**		1.2	0.33	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Nickel	**16**		3.2	0.20	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Selenium	**0.61**	**J**	0.81	0.42	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Silver	ND		0.41	0.085	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1
Zinc	**47**		1.6	1.3	mg/Kg	☼	10/27/21 11:01	10/28/21 17:48	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.055**		0.033	0.021	mg/Kg	☼	10/26/21 07:36	10/27/21 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.5**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**85.5**		0.1	0.1	%			10/25/21 17:29	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 15:38	1
Cyanide, Total	**1.2**		0.53	0.29	mg/Kg	☼	11/03/21 16:45	11/04/21 12:03	1

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A3A

Lab Sample ID: 180-128923-8

Date Collected: 10/22/21 13:56
Date Received: 10/23/21 10:30

Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/26/21 06:30	10/26/21 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*10/26/21 06:30*	*10/26/21 11:26*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*10/26/21 06:30*	*10/26/21 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*10/26/21 06:30*	*10/26/21 11:26*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*10/26/21 06:30*	*10/26/21 11:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**90.5**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A3B

Lab Sample ID: 180-128923-9

Date Collected: 10/22/21 13:57
Date Received: 10/23/21 10:30

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.0036	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Benzene	ND		0.0046	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1

Client Sample ID: SSHS-IRM5A2-A1-A3B

Lab Sample ID: 180-128923-9
Date Collected: 10/22/21 13:57
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0046	0.0023	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Carbon tetrachloride	ND		0.0046	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Chlorobenzene	ND		0.0046	0.0012	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Chloroform	ND		0.0046	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
cis-1,2-Dichloroethene	ND		0.0046	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,2-Dichlorobenzene	ND		0.0046	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,3-Dichlorobenzene	ND		0.0046	0.0028	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,4-Dichlorobenzene	ND		0.0046	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,1-Dichloroethane	ND		0.0046	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,2-Dichloroethane	ND		0.0046	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,1-Dichloroethene	ND		0.0046	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,4-Dioxane	ND		0.91	0.032	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Ethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Methylene Chloride	ND		0.0046	0.0041	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Methyl tert-butyl ether	ND		0.0046	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
n-Butylbenzene	ND		0.0046	0.0023	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
N-Propylbenzene	ND		0.0046	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
sec-Butylbenzene	ND		0.0046	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
tert-Butylbenzene	ND		0.0046	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Tetrachloroethene	ND		0.0046	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Toluene	ND		0.0046	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
trans-1,2-Dichloroethene	ND		0.0046	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,1,1-Trichloroethane	ND		0.0046	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Trichloroethene	ND		0.0046	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,2,4-Trimethylbenzene	ND		0.0046	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
1,3,5-Trimethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Vinyl chloride	ND		0.0046	0.0033	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1
Xylenes, Total	ND		0.0091	0.0066	mg/Kg	☼	10/25/21 07:16	10/25/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*10/25/21 07:16*	*10/25/21 14:27*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*10/25/21 07:16*	*10/25/21 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*10/25/21 07:16*	*10/25/21 14:27*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*10/25/21 07:16*	*10/25/21 14:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.0**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**88.0**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A4C

Lab Sample ID: 180-128923-10
Date Collected: 10/22/21 14:45
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 88.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.014**		0.0075	0.0021	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Acenaphthylene	**0.32**		0.0075	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Anthracene	**0.24**		0.0075	0.0019	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Benzo[a]anthracene	**0.51**		0.0075	0.0034	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1

Client Sample ID: SSHS-IRM5A2-A1-A4C **Lab Sample ID: 180-128923-10**
Date Collected: 10/22/21 14:45 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 88.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.43**		0.0075	0.0032	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Benzo[b]fluoranthene	**0.72**		0.0075	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Benzo[g,h,i]perylene	**0.48**		0.0075	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Benzo[k]fluoranthene	**0.23**		0.0075	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Chrysene	**0.56**		0.0075	0.0041	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Dibenz(a,h)anthracene	**0.13**		0.0075	0.0048	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Dibenzofuran	**0.021**	**J**	0.037	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Fluoranthene	**0.63**		0.0075	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Fluorene	**0.024**		0.0075	0.0015	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Indeno[1,2,3-cd]pyrene	**0.44**		0.0075	0.0037	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Naphthalene	**0.095**		0.0075	0.0015	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Phenanthrene	**0.15**		0.0075	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Phenol	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Pyrene	**0.73**		0.0075	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
Pyridine	ND		0.075	0.020	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*37 - 107*	*10/27/21 19:57*	*10/28/21 14:32*	*1*
2-Fluorophenol (Surr)	*74*		*38 - 106*	*10/27/21 19:57*	*10/28/21 14:32*	*1*
Nitrobenzene-d5 (Surr)	*85*		*41 - 112*	*10/27/21 19:57*	*10/28/21 14:32*	*1*
Phenol-d5 (Surr)	*78*		*40 - 110*	*10/27/21 19:57*	*10/28/21 14:32*	*1*
Terphenyl-d14 (Surr)	*92*		*32 - 115*	*10/27/21 19:57*	*10/28/21 14:32*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*22 - 116*	*10/27/21 19:57*	*10/28/21 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1254	**0.037**		0.018	0.0055	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1260	**0.064**		0.018	0.0053	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	10/27/21 22:56	11/02/21 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:38*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:38*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A4C — Lab Sample ID: 180-128923-10

Date Collected: 10/22/21 14:45 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 88.9**

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:38*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:38*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		0.68	0.26	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Barium	**63**		14	0.73	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Beryllium	**0.33**		0.27	0.016	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Cadmium	**0.060**	**J**	0.34	0.025	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Chromium	**8.5**		0.34	0.28	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Copper	**18**		1.7	1.6	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Lead	**27**		0.68	0.35	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Manganese	**520**		1.0	0.27	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Nickel	**14**		2.7	0.17	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Selenium	**0.63**	**J**	0.68	0.35	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Silver	ND		0.34	0.071	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1
Zinc	**46**		1.4	1.1	mg/Kg	☼	10/27/21 11:01	10/28/21 17:53	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.032	0.020	mg/Kg	☼	10/26/21 07:36	10/27/21 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**88.9**		0.1	0.1	%			10/25/21 17:29	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	10/28/21 11:00	10/29/21 15:39	1
Cyanide, Total	**0.59**		0.47	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 12:05	1

Client Sample ID: SSHS-IRM5A2-A1-A4A — Lab Sample ID: 180-128923-11

Date Collected: 10/22/21 14:48 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 86.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,3-Dichlorobenzene	ND		0.0051	0.0031	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1

Client Sample ID: SSHS-IRM5A2-A1-A4A

Lab Sample ID: 180-128923-11

Date Collected: 10/22/21 14:48
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
tert-Butylbenzene	ND		0.0051	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Tetrachloroethene	ND		0.0051	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Vinyl chloride	ND		0.0051	0.0036	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	10/25/21 07:16	10/25/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*10/25/21 07:16*	*10/25/21 14:02*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*	*10/25/21 07:16*	*10/25/21 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*10/25/21 07:16*	*10/25/21 14:02*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*10/25/21 07:16*	*10/25/21 14:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**86.5**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A4B

Lab Sample ID: 180-128923-12

Date Collected: 10/22/21 14:56
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1

Client Sample ID: SSHS-IRM5A2-A1-A4B — Lab Sample ID: 180-128923-12

Date Collected: 10/22/21 14:56 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 91.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	10/25/21 07:16	10/25/21 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*10/25/21 07:16*	*10/25/21 13:37*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*10/25/21 07:16*	*10/25/21 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*10/25/21 07:16*	*10/25/21 13:37*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*10/25/21 07:16*	*10/25/21 13:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.7**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**91.3**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A5C — Lab Sample ID: 180-128923-13

Date Collected: 10/22/21 15:00 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 52.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.082**		0.039	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Acenaphthylene	**1.7**		0.039	0.0084	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Anthracene	**1.3**		0.039	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Benzo[a]anthracene	**3.4**		0.039	0.017	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Benzo[a]pyrene	**2.7**		0.039	0.017	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Benzo[b]fluoranthene	**4.2**		0.039	0.0095	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Benzo[g,h,i]perylene	**2.8**		0.039	0.0083	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Benzo[k]fluoranthene	**1.5**		0.039	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Chrysene	**3.5**		0.039	0.021	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Dibenz(a,h)anthracene	**0.79**		0.039	0.025	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Dibenzofuran	**0.078**	**J**	0.19	0.071	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
1,4-Dioxane	ND		0.38	0.060	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Fluoranthene	**4.7**		0.039	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Fluorene	**0.17**		0.039	0.0076	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Hexachloroethane	ND		0.19	0.068	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Indeno[1,2,3-cd]pyrene	**2.6**		0.039	0.019	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3

Client Sample ID: SSHS-IRM5A2-A1-A5C
Lab Sample ID: 180-128923-13
Date Collected: 10/22/21 15:00 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 52.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.19	0.055	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Methylphenol, 3 & 4	ND		0.19	0.056	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Naphthalene	**0.29**		0.039	0.0075	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Nitrobenzene	ND		0.38	0.070	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Pentachlorophenol	ND		0.98	0.31	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Phenanthrene	**1.6**		0.039	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Phenol	ND		0.19	0.058	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Pyrene	**5.1**		0.039	0.0091	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
Pyridine	ND		0.39	0.10	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
2,4,5-Trichlorophenol	ND		0.19	0.067	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3
2,4,6-Trichlorophenol	ND		0.19	0.064	mg/Kg	☼	10/27/21 19:57	10/28/21 14:54	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*37 - 107*	*10/27/21 19:57*	*10/28/21 14:54*	*3*
2-Fluorophenol (Surr)	*65*		*38 - 106*	*10/27/21 19:57*	*10/28/21 14:54*	*3*
Nitrobenzene-d5 (Surr)	*66*		*41 - 112*	*10/27/21 19:57*	*10/28/21 14:54*	*3*
Phenol-d5 (Surr)	*63*		*40 - 110*	*10/27/21 19:57*	*10/28/21 14:54*	*3*
Terphenyl-d14 (Surr)	*72*		*32 - 115*	*10/27/21 19:57*	*10/28/21 14:54*	*3*
2,4,6-Tribromophenol (Surr)	*61*		*22 - 116*	*10/27/21 19:57*	*10/28/21 14:54*	*3*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.032	0.010	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1221	ND		0.032	0.011	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1232	ND		0.032	0.0077	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1242	ND		0.032	0.0046	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1248	**0.17**		0.032	0.0076	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1254	**0.11**		0.032	0.0095	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1260	**0.070**		0.032	0.0090	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1262	ND		0.032	0.011	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1
PCB-1268	ND		0.032	0.0042	mg/Kg	☼	10/27/21 22:56	11/02/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:57*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*31 - 150*	*10/27/21 22:56*	*11/02/21 20:57*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:57*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*20 - 150*	*10/27/21 22:56*	*11/02/21 20:57*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		1.1	0.42	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Barium	**120**		22	1.2	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Beryllium	**0.58**		0.43	0.025	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Cadmium	**0.18**	**J**	0.54	0.040	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Chromium	**16**		0.54	0.45	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Copper	**35**		2.7	2.5	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Lead	**41**		1.1	0.55	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Manganese	**550**		1.6	0.44	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Nickel	**25**		4.3	0.27	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Selenium	**0.57**	**J**	1.1	0.56	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1

Client Sample ID: SSHS-IRM5A2-A1-A5C
Lab Sample ID: 180-128923-13
Date Collected: 10/22/21 15:00 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 52.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.54	0.11	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1
Zinc	**75**		2.2	1.7	mg/Kg	☼	10/27/21 11:01	10/28/21 17:58	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.064**		0.040	0.026	mg/Kg	☼	10/26/21 07:36	10/27/21 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**48.0**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**52.0**		0.1	0.1	%			10/25/21 17:29	1
Hexavalent chromium	ND		0.77	0.41	mg/Kg	☼	10/28/21 11:00	10/29/21 15:40	1
Cyanide, Total	**0.84**	**J**	0.87	0.48	mg/Kg	☼	11/03/21 16:45	11/04/21 12:07	1

Client Sample ID: SSHS-IRM5A2-A1-A5A
Lab Sample ID: 180-128923-14
Date Collected: 10/22/21 15:01 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 83.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0047	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Benzene	ND		0.0060	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
2-Butanone (MEK)	ND		0.0060	0.0031	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Carbon tetrachloride	ND		0.0060	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Chlorobenzene	ND		0.0060	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Chloroform	ND		0.0060	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
cis-1,2-Dichloroethene	ND		0.0060	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,2-Dichlorobenzene	ND		0.0060	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,3-Dichlorobenzene	ND		0.0060	0.0037	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,4-Dichlorobenzene	ND		0.0060	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,1-Dichloroethane	ND		0.0060	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,2-Dichloroethane	ND		0.0060	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,1-Dichloroethene	ND		0.0060	0.0027	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,4-Dioxane	ND		1.2	0.043	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Ethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Methylene Chloride	ND		0.0060	0.0054	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Methyl tert-butyl ether	ND		0.0060	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
n-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
N-Propylbenzene	ND		0.0060	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
sec-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
tert-Butylbenzene	ND		0.0060	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Tetrachloroethene	ND		0.0060	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Toluene	ND		0.0060	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
trans-1,2-Dichloroethene	ND		0.0060	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,1,1-Trichloroethane	ND		0.0060	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Trichloroethene	ND		0.0060	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
1,3,5-Trimethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Vinyl chloride	ND		0.0060	0.0043	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1
Xylenes, Total	ND		0.012	0.0087	mg/Kg	☼	10/25/21 07:16	10/25/21 13:11	1

Client Sample ID: SSHS-IRM5A2-A1-A5A — Lab Sample ID: 180-128923-14

Date Collected: 10/22/21 15:01 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 83.0**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*66*		*60 - 124*	*10/25/21 07:16*	*10/25/21 13:11*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*10/25/21 07:16*	*10/25/21 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*10/25/21 07:16*	*10/25/21 13:11*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*10/25/21 07:16*	*10/25/21 13:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.0**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**83.0**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A5B — Lab Sample ID: 180-128923-15

Date Collected: 10/22/21 15:02 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 81.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
tert-Butylbenzene	ND		0.0058	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	10/25/21 07:16	10/25/21 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*10/25/21 07:16*	*10/25/21 12:46*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*10/25/21 07:16*	*10/25/21 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*10/25/21 07:16*	*10/25/21 12:46*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A5B — Lab Sample ID: 180-128923-15

Date Collected: 10/22/21 15:02 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 81.9**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*67 - 134*	*10/25/21 07:16*	*10/25/21 12:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.1**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**81.9**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A6C — Lab Sample ID: 180-128923-16

Date Collected: 10/22/21 15:10 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 85.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.090**		0.038	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Acenaphthylene	**2.1**		0.038	0.0084	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Anthracene	**1.7**		0.038	0.0099	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Benzo[a]anthracene	**4.0**		0.038	0.017	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Benzo[a]pyrene	**3.1**		0.038	0.017	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Benzo[b]fluoranthene	**5.2**		0.038	0.0094	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Benzo[g,h,i]perylene	**3.5**		0.038	0.0083	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Benzo[k]fluoranthene	**1.6**		0.038	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Chrysene	**4.2**		0.038	0.021	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Dibenz(a,h)anthracene	**0.98**		0.038	0.024	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Dibenzofuran	**0.077**	**J**	0.19	0.070	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
1,4-Dioxane	ND		0.38	0.060	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Fluoranthene	**5.6**		0.038	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Fluorene	**0.18**		0.038	0.0075	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Hexachlorobenzene	ND		0.038	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Hexachlorobutadiene	ND		0.038	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Hexachloroethane	ND		0.19	0.068	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Indeno[1,2,3-cd]pyrene	**3.2**		0.038	0.019	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
2-Methylphenol	ND		0.19	0.055	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Methylphenol, 3 & 4	ND		0.19	0.056	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Naphthalene	**0.27**		0.038	0.0074	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Nitrobenzene	ND		0.38	0.070	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Pentachlorophenol	ND		0.97	0.31	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Phenanthrene	**1.9**		0.038	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Phenol	ND		0.19	0.058	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Pyrene	**6.0**		0.038	0.0091	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
Pyridine	ND		0.38	0.10	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
2,4,5-Trichlorophenol	ND		0.19	0.066	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5
2,4,6-Trichlorophenol	ND		0.19	0.064	mg/Kg	☼	10/27/21 19:57	10/28/21 15:17	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*67*		*37 - 107*	*10/27/21 19:57*	*10/28/21 15:17*	*5*
2-Fluorophenol (Surr)	*63*		*38 - 106*	*10/27/21 19:57*	*10/28/21 15:17*	*5*
Nitrobenzene-d5 (Surr)	*70*		*41 - 112*	*10/27/21 19:57*	*10/28/21 15:17*	*5*
Phenol-d5 (Surr)	*67*		*40 - 110*	*10/27/21 19:57*	*10/28/21 15:17*	*5*
Terphenyl-d14 (Surr)	*77*		*32 - 115*	*10/27/21 19:57*	*10/28/21 15:17*	*5*

Client Sample ID: SSHS-IRM5A2-A1-A6C
Lab Sample ID: 180-128923-16
Date Collected: 10/22/21 15:10 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 85.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*22 - 116*	*10/27/21 19:57*	*10/28/21 15:17*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1248	**0.11**		0.019	0.0046	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1254	**0.071**		0.019	0.0058	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1260	**0.047**		0.019	0.0055	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	10/27/21 22:56	11/02/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*31 - 150*	*10/27/21 22:56*	*11/02/21 21:15*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*31 - 150*	*10/27/21 22:56*	*11/02/21 21:15*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*20 - 150*	*10/27/21 22:56*	*11/02/21 21:15*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*20 - 150*	*10/27/21 22:56*	*11/02/21 21:15*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		0.74	0.29	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Barium	**82**		15	0.80	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Beryllium	**0.38**		0.30	0.017	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Cadmium	**0.14**	**J**	0.37	0.027	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Chromium	**9.3**		0.37	0.31	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Copper	**16**		1.9	1.7	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Lead	**28**		0.74	0.38	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Manganese	**300**		1.1	0.30	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Nickel	**14**		3.0	0.18	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Selenium	ND		0.74	0.38	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Silver	ND		0.37	0.078	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1
Zinc	**42**		1.5	1.2	mg/Kg	☼	10/27/21 11:01	10/28/21 18:02	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.036	0.023	mg/Kg	☼	10/26/21 07:36	10/27/21 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.5**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**85.5**		0.1	0.1	%			10/25/21 17:29	1
Hexavalent chromium	**0.38**	**J**	0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 15:41	1
Cyanide, Total	**0.85**		0.56	0.30	mg/Kg	☼	11/03/21 16:45	11/04/21 12:09	1

Client Sample ID: SSHS-IRM5A2-A1-A6A — Lab Sample ID: 180-128923-17

Date Collected: 10/22/21 15:13 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 85.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0038	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,2-Dichlorobenzene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,4-Dioxane	ND		0.99	0.035	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
N-Propylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Vinyl chloride	ND		0.0049	0.0036	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1
Xylenes, Total	ND		0.0099	0.0071	mg/Kg	☼	10/25/21 07:16	10/25/21 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*10/25/21 07:16*	*10/25/21 12:21*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*10/25/21 07:16*	*10/25/21 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*10/25/21 07:16*	*10/25/21 12:21*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*10/25/21 07:16*	*10/25/21 12:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.5**		0.1	0.1	%			10/25/21 17:29	1
Percent Solids	**85.5**		0.1	0.1	%			10/25/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A6B — Lab Sample ID: 180-128923-18

Date Collected: 10/22/21 15:12 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 77.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.50**	**E**	0.022	0.0043	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1

Client Sample ID: SSHS-IRM5A2-A1-A6B
Date Collected: 10/22/21 15:12
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-18
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**0.071**		0.0055	0.0028	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/25/21 07:16	10/25/21 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*10/25/21 07:16*	*10/25/21 16:59*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*10/25/21 07:16*	*10/25/21 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*	*10/25/21 07:16*	*10/25/21 16:59*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*10/25/21 07:16*	*10/25/21 16:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.22**	**E**	0.022	0.0043	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
2-Butanone (MEK)	**0.010**		0.0055	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1

Client Sample ID: SSHS-IRM5A2-A1-A6B **Lab Sample ID: 180-128923-18**
Date Collected: 10/22/21 15:12 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 77.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/28/21 06:51	10/28/21 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*	*S1-*	*60 - 124*	*10/28/21 06:51*	*10/28/21 18:12*	*1*
Dibromofluoromethane (Surr)	*67*	*S1-*	*69 - 126*	*10/28/21 06:51*	*10/28/21 18:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*64*	*S1-*	*73 - 135*	*10/28/21 06:51*	*10/28/21 18:12*	*1*
Toluene-d8 (Surr)	*64*	*S1-*	*67 - 134*	*10/28/21 06:51*	*10/28/21 18:12*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1.6	0.30	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Benzene	ND		0.39	0.11	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
2-Butanone (MEK)	ND		0.39	0.20	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Carbon tetrachloride	ND		0.39	0.16	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Chlorobenzene	ND		0.39	0.10	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Chloroform	ND		0.39	0.13	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
cis-1,2-Dichloroethene	ND		0.39	0.12	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,2-Dichlorobenzene	ND		0.39	0.13	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,3-Dichlorobenzene	ND		0.39	0.24	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,4-Dichlorobenzene	ND		0.39	0.12	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,1-Dichloroethane	ND		0.39	0.12	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,2-Dichloroethane	ND		0.39	0.11	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,1-Dichloroethene	ND		0.39	0.18	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,4-Dioxane	ND		78	2.8	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Ethylbenzene	ND		0.39	0.14	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Methylene Chloride	ND		0.39	0.35	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Methyl tert-butyl ether	ND		0.39	0.11	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
n-Butylbenzene	ND		0.39	0.19	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
N-Propylbenzene	ND		0.39	0.14	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
sec-Butylbenzene	ND	*+	0.39	0.19	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
tert-Butylbenzene	ND		0.39	0.17	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Tetrachloroethene	ND		0.39	0.16	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Toluene	ND		0.39	0.11	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
trans-1,2-Dichloroethene	ND		0.39	0.14	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1

Client Sample ID: SSHS-IRM5A2-A1-A6B — Lab Sample ID: 180-128923-18

Date Collected: 10/22/21 15:12 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 77.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA2 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.39	0.13	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Trichloroethene	ND		0.39	0.12	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,2,4-Trimethylbenzene	ND		0.39	0.13	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
1,3,5-Trimethylbenzene	ND		0.39	0.14	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Vinyl chloride	ND		0.39	0.28	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1
Xylenes, Total	ND		0.78	0.56	mg/Kg	☼	10/26/21 07:10	10/26/21 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*54 - 119*	*10/26/21 07:10*	*10/26/21 13:22*	*1*
Dibromofluoromethane (Surr)	*92*		*57 - 126*	*10/26/21 07:10*	*10/26/21 13:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*63*		*49 - 147*	*10/26/21 07:10*	*10/26/21 13:22*	*1*
Toluene-d8 (Surr)	*95*		*55 - 118*	*10/26/21 07:10*	*10/26/21 13:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22.3**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**77.7**		0.1	0.1	%			10/25/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A1-A7C — Lab Sample ID: 180-128923-19

Date Collected: 10/22/21 17:10 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 88.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.014**		0.0075	0.0021	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Acenaphthylene	**0.29**		0.0075	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Anthracene	**0.23**		0.0075	0.0019	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Benzo[a]anthracene	**0.53**		0.0075	0.0034	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Benzo[a]pyrene	**0.42**		0.0075	0.0032	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Benzo[b]fluoranthene	**0.71**		0.0075	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Benzo[g,h,i]perylene	**0.45**		0.0075	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Benzo[k]fluoranthene	**0.19**		0.0075	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Chrysene	**0.60**		0.0075	0.0041	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Dibenz(a,h)anthracene	**0.13**		0.0075	0.0048	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Dibenzofuran	**0.019**	**J**	0.037	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Fluoranthene	**0.81**		0.0075	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Fluorene	**0.024**		0.0075	0.0015	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Indeno[1,2,3-cd]pyrene	**0.41**		0.0075	0.0037	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Naphthalene	**0.063**		0.0075	0.0015	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Phenanthrene	**0.22**		0.0075	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Phenol	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1

Client Sample ID: SSHS-IRM5A2-A1-A7C
Date Collected: 10/22/21 17:10
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-19
Matrix: Solid
Percent Solids: 88.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**0.84**		0.0075	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
Pyridine	ND		0.075	0.020	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*37 - 107*	*10/27/21 19:57*	*10/28/21 15:39*	*1*
2-Fluorophenol (Surr)	*65*		*38 - 106*	*10/27/21 19:57*	*10/28/21 15:39*	*1*
Nitrobenzene-d5 (Surr)	*71*		*41 - 112*	*10/27/21 19:57*	*10/28/21 15:39*	*1*
Phenol-d5 (Surr)	*65*		*40 - 110*	*10/27/21 19:57*	*10/28/21 15:39*	*1*
Terphenyl-d14 (Surr)	*79*		*32 - 115*	*10/27/21 19:57*	*10/28/21 15:39*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*22 - 116*	*10/27/21 19:57*	*10/28/21 15:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1254	**0.032**		0.019	0.0057	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1260	**0.033**		0.019	0.0054	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/27/21 22:56	11/02/21 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*31 - 150*	*10/27/21 22:56*	*11/02/21 21:34*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*31 - 150*	*10/27/21 22:56*	*11/02/21 21:34*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*20 - 150*	*10/27/21 22:56*	*11/02/21 21:34*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*20 - 150*	*10/27/21 22:56*	*11/02/21 21:34*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		0.67	0.26	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Barium	**53**		13	0.72	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Beryllium	**0.32**		0.27	0.015	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Cadmium	**0.047**	**J**	0.33	0.024	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Chromium	**8.6**		0.33	0.27	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Copper	**19**		1.7	1.5	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Lead	**18**		0.67	0.34	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Manganese	**300**		1.0	0.27	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Nickel	**14**		2.7	0.17	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Selenium	ND		0.67	0.34	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Silver	ND		0.33	0.070	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1
Zinc	**45**		1.3	1.1	mg/Kg	☼	10/27/21 11:01	10/28/21 18:07	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.032	0.021	mg/Kg	☼	10/26/21 07:36	10/27/21 12:05	1

Client Sample ID: SSHS-IRM5A2-A1-A7C — Lab Sample ID: 180-128923-19

Date Collected: 10/22/21 17:10 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 88.4**

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.5**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**88.5**		0.1	0.1	%			10/25/21 17:43	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 15:45	1
Cyanide, Total	**0.45**	**J**	0.49	0.27	mg/Kg	☼	11/03/21 16:45	11/04/21 12:10	1

Client Sample ID: SSHS-IRM5A2-A1-A7A — Lab Sample ID: 180-128923-20

Date Collected: 10/22/21 17:15 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 89.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	10/25/21 06:30	10/25/21 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*10/25/21 06:30*	*10/25/21 21:12*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*10/25/21 06:30*	*10/25/21 21:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*10/25/21 06:30*	*10/25/21 21:12*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*10/25/21 06:30*	*10/25/21 21:12*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A7A

Lab Sample ID: 180-128923-20
Date Collected: 10/22/21 17:15
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.9		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	89.1		0.1	0.1	%			10/25/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A1-A7B

Lab Sample ID: 180-128923-21
Date Collected: 10/22/21 17:20
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,2-Dichlorobenzene	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	10/25/21 06:30	10/25/21 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*60 - 124*	*10/25/21 06:30*	*10/25/21 20:49*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*10/25/21 06:30*	*10/25/21 20:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*10/25/21 06:30*	*10/25/21 20:49*	*1*
Toluene-d8 (Surr)	*117*		*67 - 134*	*10/25/21 06:30*	*10/25/21 20:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.1		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	86.9		0.1	0.1	%			10/25/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A1-A8C
Date Collected: 10/22/21 17:30
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-22
Matrix: Solid
Percent Solids: 89.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0059**	**J**	0.0073	0.0021	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Acenaphthylene	**0.075**		0.0073	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Anthracene	**0.055**		0.0073	0.0019	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Benzo[a]anthracene	**0.12**		0.0073	0.0033	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Benzo[a]pyrene	**0.11**		0.0073	0.0032	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Benzo[b]fluoranthene	**0.18**		0.0073	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Benzo[g,h,i]perylene	**0.13**		0.0073	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Benzo[k]fluoranthene	**0.056**		0.0073	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Chrysene	**0.14**		0.0073	0.0041	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Dibenz(a,h)anthracene	**0.035**		0.0073	0.0047	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Fluoranthene	**0.15**		0.0073	0.0019	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Fluorene	**0.0071**	**J**	0.0073	0.0014	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.0073	0.0036	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Naphthalene	**0.015**		0.0073	0.0014	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Phenanthrene	**0.040**		0.0073	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Phenol	ND		0.036	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Pyrene	**0.19**		0.0073	0.0017	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*37 - 107*	*10/27/21 19:57*	*10/28/21 16:01*	*1*
2-Fluorophenol (Surr)	*60*		*38 - 106*	*10/27/21 19:57*	*10/28/21 16:01*	*1*
Nitrobenzene-d5 (Surr)	*72*		*41 - 112*	*10/27/21 19:57*	*10/28/21 16:01*	*1*
Phenol-d5 (Surr)	*60*		*40 - 110*	*10/27/21 19:57*	*10/28/21 16:01*	*1*
Terphenyl-d14 (Surr)	*73*		*32 - 115*	*10/27/21 19:57*	*10/28/21 16:01*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*22 - 116*	*10/27/21 19:57*	*10/28/21 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1248	**0.066**		0.018	0.0044	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1254	**0.041**		0.018	0.0055	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1260	**0.019**		0.018	0.0052	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	10/27/21 23:00	11/02/21 21:52	1

Client Sample ID: SSHS-IRM5A2-A1-A8C
Lab Sample ID: 180-128923-22
Date Collected: 10/22/21 17:30 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 89.5**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*31 - 150*	*10/27/21 23:00*	*11/02/21 21:52*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*31 - 150*	*10/27/21 23:00*	*11/02/21 21:52*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*20 - 150*	*10/27/21 23:00*	*11/02/21 21:52*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*20 - 150*	*10/27/21 23:00*	*11/02/21 21:52*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		0.76	0.30	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Barium	**54**		15	0.81	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Beryllium	**0.32**		0.30	0.017	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Cadmium	**0.029**	**J**	0.38	0.027	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Chromium	**8.8**		0.38	0.31	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Copper	**20**		1.9	1.7	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Lead	**16**		0.76	0.39	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Manganese	**350**		1.1	0.31	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Nickel	**15**		3.0	0.19	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Selenium	ND		0.76	0.39	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Silver	ND		0.38	0.080	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1
Zinc	**47**		1.5	1.2	mg/Kg	☼	10/27/21 11:01	10/28/21 18:11	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.033	0.021	mg/Kg	☼	10/26/21 07:36	10/27/21 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**89.5**		0.1	0.1	%			10/25/21 17:43	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 15:46	1
Cyanide, Total	**0.47**		0.41	0.23	mg/Kg	☼	11/03/21 16:45	11/04/21 12:12	1

Client Sample ID: SSHS-IRM5A2-A1-A8A
Lab Sample ID: 180-128923-23
Date Collected: 10/22/21 17:35 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 89.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1

Client Sample ID: SSHS-IRM5A2-A1-A8A
Lab Sample ID: 180-128923-23
Date Collected: 10/22/21 17:35
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	10/25/21 06:30	10/25/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*10/25/21 06:30*	*10/25/21 20:26*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*10/25/21 06:30*	*10/25/21 20:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*10/25/21 06:30*	*10/25/21 20:26*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*10/25/21 06:30*	*10/25/21 20:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**89.1**		0.1	0.1	%			10/25/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A1-A8B
Lab Sample ID: 180-128923-24
Date Collected: 10/22/21 17:40
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0046	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Benzene	ND		0.0060	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
2-Butanone (MEK)	ND		0.0060	0.0030	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Carbon tetrachloride	ND		0.0060	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Chlorobenzene	ND		0.0060	0.0015	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Chloroform	ND		0.0060	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
cis-1,2-Dichloroethene	ND		0.0060	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,2-Dichlorobenzene	ND		0.0060	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,3-Dichlorobenzene	ND		0.0060	0.0037	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,4-Dichlorobenzene	ND		0.0060	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,1-Dichloroethane	ND		0.0060	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,2-Dichloroethane	ND		0.0060	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,1-Dichloroethene	ND		0.0060	0.0027	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Ethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Methylene Chloride	ND		0.0060	0.0054	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1

Client Sample ID: SSHS-IRM5A2-A1-A8B — Lab Sample ID: 180-128923-24

Date Collected: 10/22/21 17:40 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 82.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0060	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
n-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
N-Propylbenzene	ND		0.0060	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
sec-Butylbenzene	ND		0.0060	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
tert-Butylbenzene	ND		0.0060	0.0025	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Tetrachloroethene	ND		0.0060	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Toluene	ND		0.0060	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
trans-1,2-Dichloroethene	ND		0.0060	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,1,1-Trichloroethane	ND		0.0060	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Trichloroethene	ND		0.0060	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
1,3,5-Trimethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Vinyl chloride	ND		0.0060	0.0043	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1
Xylenes, Total	ND		0.012	0.0086	mg/Kg	☼	10/25/21 06:30	10/25/21 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*10/25/21 06:30*	*10/25/21 20:03*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*10/25/21 06:30*	*10/25/21 20:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*10/25/21 06:30*	*10/25/21 20:03*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*10/25/21 06:30*	*10/25/21 20:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.7**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**82.3**		0.1	0.1	%			10/25/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A1-A9C — Lab Sample ID: 180-128923-25

Date Collected: 10/22/21 17:50 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 86.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.012**		0.0076	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Acenaphthylene	**0.037**		0.0076	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Anthracene	**0.050**		0.0076	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Benzo[a]anthracene	**0.12**		0.0076	0.0034	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Benzo[a]pyrene	**0.087**		0.0076	0.0033	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Benzo[b]fluoranthene	**0.13**		0.0076	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Benzo[g,h,i]perylene	**0.080**		0.0076	0.0016	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Benzo[k]fluoranthene	**0.038**		0.0076	0.0023	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Chrysene	**0.11**		0.0076	0.0042	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Dibenz(a,h)anthracene	**0.025**		0.0076	0.0048	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Fluoranthene	**0.19**		0.0076	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Fluorene	**0.011**		0.0076	0.0015	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-128923-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A9C
Lab Sample ID: 180-128923-25
Date Collected: 10/22/21 17:50
Matrix: Solid
Date Received: 10/23/21 10:30
Percent Solids: 86.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.076**		0.0076	0.0037	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Naphthalene	**0.0076**		0.0076	0.0015	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Phenanthrene	**0.12**		0.0076	0.0020	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Phenol	ND		0.037	0.011	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Pyrene	**0.18**		0.0076	0.0018	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
Pyridine	ND		0.076	0.020	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1
2,4,6-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	10/27/21 19:57	10/28/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*37 - 107*	*10/27/21 19:57*	*10/28/21 16:24*	*1*
2-Fluorophenol (Surr)	*66*		*38 - 106*	*10/27/21 19:57*	*10/28/21 16:24*	*1*
Nitrobenzene-d5 (Surr)	*73*		*41 - 112*	*10/27/21 19:57*	*10/28/21 16:24*	*1*
Phenol-d5 (Surr)	*67*		*40 - 110*	*10/27/21 19:57*	*10/28/21 16:24*	*1*
Terphenyl-d14 (Surr)	*79*		*32 - 115*	*10/27/21 19:57*	*10/28/21 16:24*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*22 - 116*	*10/27/21 19:57*	*10/28/21 16:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1248	**0.053**		0.019	0.0045	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1254	**0.037**		0.019	0.0056	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1260	**0.017**	**J**	0.019	0.0053	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/27/21 23:00	11/02/21 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*31 - 150*	*10/27/21 23:00*	*11/02/21 22:11*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*31 - 150*	*10/27/21 23:00*	*11/02/21 22:11*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*20 - 150*	*10/27/21 23:00*	*11/02/21 22:11*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*20 - 150*	*10/27/21 23:00*	*11/02/21 22:11*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		0.64	0.25	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Barium	**63**		13	0.68	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Beryllium	**0.32**		0.26	0.015	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Cadmium	**0.025**	**J**	0.32	0.023	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Chromium	**9.3**		0.32	0.26	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Copper	**22**		1.6	1.5	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Lead	**15**		0.64	0.33	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Manganese	**300**		0.96	0.26	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Nickel	**15**		2.6	0.16	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1

Client Sample ID: SSHS-IRM5A2-A1-A9C
Lab Sample ID: 180-128923-25
Date Collected: 10/22/21 17:50 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 86.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.64	0.33	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Silver	ND		0.32	0.067	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1
Zinc	**47**		1.3	1.0	mg/Kg	☼	10/27/21 11:01	10/28/21 18:16	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.029	0.019	mg/Kg	☼	10/26/21 07:36	10/27/21 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.1**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**86.9**		0.1	0.1	%			10/25/21 17:43	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 15:47	1
Cyanide, Total	**0.57**		0.52	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 12:17	1

Client Sample ID: SSHS-IRM5A2-A1-A9A
Lab Sample ID: 180-128923-26
Date Collected: 10/22/21 17:55 **Matrix: Solid**
Date Received: 10/23/21 10:30 **Percent Solids: 84.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0046	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Benzene	ND		0.0059	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
2-Butanone (MEK)	ND		0.0059	0.0030	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Carbon tetrachloride	ND		0.0059	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Chlorobenzene	ND		0.0059	0.0015	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Chloroform	ND		0.0059	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
cis-1,2-Dichloroethene	ND		0.0059	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,2-Dichlorobenzene	ND		0.0059	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,3-Dichlorobenzene	ND		0.0059	0.0036	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,4-Dichlorobenzene	ND		0.0059	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,1-Dichloroethane	ND		0.0059	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,2-Dichloroethane	ND		0.0059	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,1-Dichloroethene	ND		0.0059	0.0027	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Ethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Methylene Chloride	ND		0.0059	0.0053	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Methyl tert-butyl ether	ND		0.0059	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
n-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
N-Propylbenzene	ND		0.0059	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
sec-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
tert-Butylbenzene	ND		0.0059	0.0025	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Tetrachloroethene	ND		0.0059	0.0024	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Toluene	ND		0.0059	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
trans-1,2-Dichloroethene	ND		0.0059	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,1,1-Trichloroethane	ND		0.0059	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Trichloroethene	ND		0.0059	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
1,3,5-Trimethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1
Vinyl chloride	ND		0.0059	0.0042	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1

Client Sample ID: SSHS-IRM5A2-A1-A9A — Lab Sample ID: 180-128923-26

Date Collected: 10/22/21 17:55 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 84.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.012	0.0085	mg/Kg	☼	10/25/21 06:30	10/25/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*10/25/21 06:30*	*10/25/21 19:40*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*10/25/21 06:30*	*10/25/21 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*10/25/21 06:30*	*10/25/21 19:40*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*10/25/21 06:30*	*10/25/21 19:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.8**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**84.2**		0.1	0.1	%			10/25/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A1-A9B — Lab Sample ID: 180-128923-27

Date Collected: 10/22/21 18:00 — **Matrix: Solid**
Date Received: 10/23/21 10:30 — **Percent Solids: 86.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	10/25/21 06:30	10/25/21 19:16	1

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

Job ID: 180-128923-1

Client Sample ID: SSHS-IRM5A2-A1-A9B
Date Collected: 10/22/21 18:00
Date Received: 10/23/21 10:30

Lab Sample ID: 180-128923-27
Matrix: Solid
Percent Solids: 86.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*60 - 124*	*10/25/21 06:30*	*10/25/21 19:16*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*10/25/21 06:30*	*10/25/21 19:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*10/25/21 06:30*	*10/25/21 19:16*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*10/25/21 06:30*	*10/25/21 19:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.9**		0.1	0.1	%			10/25/21 17:43	1
Percent Solids	**86.1**		0.1	0.1	%			10/25/21 17:43	1

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

Lab Sample ID: MB 180-376365/5
Matrix: Solid
Analysis Batch: 376365

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/25/21 12:17	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/25/21 12:17	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/25/21 12:17	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/25/21 12:17	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/25/21 12:17	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/25/21 12:17	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/25/21 12:17	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/25/21 12:17	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/25/21 12:17	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/25/21 12:17	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/25/21 12:17	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/25/21 12:17	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/25/21 12:17	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/25/21 12:17	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/25/21 12:17	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/25/21 12:17	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/25/21 12:17	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/25/21 12:17	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/25/21 12:17	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/25/21 12:17	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/25/21 12:17	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/25/21 12:17	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/25/21 12:17	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/25/21 12:17	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/25/21 12:17	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/25/21 12:17	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/25/21 12:17	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/25/21 12:17	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/25/21 12:17	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/25/21 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*		*10/25/21 12:17*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*		*10/25/21 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*		*10/25/21 12:17*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*10/25/21 12:17*	*1*

Lab Sample ID: LCS 180-376365/29
Matrix: Solid
Analysis Batch: 376365

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0350		mg/Kg		88	23 - 170
Benzene	0.0400	0.0405		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0285		mg/Kg		71	39 - 157
Carbon tetrachloride	0.0400	0.0401		mg/Kg		100	73 - 130
Chlorobenzene	0.0400	0.0408		mg/Kg		102	79 - 122
Chloroform	0.0400	0.0396		mg/Kg		99	73 - 126

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

Lab Sample ID: LCS 180-376365/29
Matrix: Solid
Analysis Batch: 376365

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0397		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0398		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0402		mg/Kg		100	77 - 121
1,4-Dichlorobenzene	0.0400	0.0402		mg/Kg		100	79 - 120
1,1-Dichloroethane	0.0400	0.0392		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0398		mg/Kg		100	64 - 140
1,1-Dichloroethene	0.0400	0.0389		mg/Kg		97	55 - 136
1,4-Dioxane	0.800	0.808	J	mg/Kg		101	18 - 166
Ethylbenzene	0.0400	0.0416		mg/Kg		104	79 - 119
Methylene Chloride	0.0400	0.0421		mg/Kg		105	67 - 131
Methyl tert-butyl ether	0.0400	0.0394		mg/Kg		98	58 - 132
n-Butylbenzene	0.0400	0.0420		mg/Kg		105	64 - 136
N-Propylbenzene	0.0400	0.0400		mg/Kg		100	71 - 127
sec-Butylbenzene	0.0400	0.0415		mg/Kg		104	65 - 130
tert-Butylbenzene	0.0400	0.0405		mg/Kg		101	69 - 133
Tetrachloroethene	0.0400	0.0402		mg/Kg		101	71 - 121
Toluene	0.0400	0.0402		mg/Kg		101	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0398		mg/Kg		99	75 - 122
1,1,1-Trichloroethane	0.0400	0.0420		mg/Kg		105	72 - 134
Trichloroethene	0.0400	0.0401		mg/Kg		100	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0408		mg/Kg		102	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0390		mg/Kg		97	69 - 131
Vinyl chloride	0.0400	0.0376		mg/Kg		94	64 - 134
Xylenes, Total	0.0800	0.0824		mg/Kg		103	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: MB 180-376373/8
Matrix: Solid
Analysis Batch: 376373

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/25/21 11:04	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/25/21 11:04	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/25/21 11:04	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/25/21 11:04	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/25/21 11:04	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/25/21 11:04	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/25/21 11:04	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/25/21 11:04	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/25/21 11:04	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/25/21 11:04	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/25/21 11:04	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/25/21 11:04	1

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

Lab Sample ID: MB 180-376373/8
Matrix: Solid
Analysis Batch: 376373

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/25/21 11:04	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/25/21 11:04	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/25/21 11:04	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/25/21 11:04	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/25/21 11:04	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/25/21 11:04	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/25/21 11:04	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/25/21 11:04	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/25/21 11:04	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/25/21 11:04	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/25/21 11:04	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/25/21 11:04	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/25/21 11:04	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/25/21 11:04	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/25/21 11:04	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/25/21 11:04	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/25/21 11:04	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/25/21 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*		*10/25/21 11:04*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*		*10/25/21 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*		*10/25/21 11:04*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*10/25/21 11:04*	*1*

Lab Sample ID: LCS 180-376373/5
Matrix: Solid
Analysis Batch: 376373

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0287		mg/Kg		72	23 - 170
Benzene	0.0400	0.0389		mg/Kg		97	77 - 120
2-Butanone (MEK)	0.0400	0.0301		mg/Kg		75	39 - 157
Carbon tetrachloride	0.0400	0.0440		mg/Kg		110	73 - 130
Chlorobenzene	0.0400	0.0420		mg/Kg		105	79 - 122
Chloroform	0.0400	0.0401		mg/Kg		100	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0420		mg/Kg		105	77 - 118
1,2-Dichlorobenzene	0.0400	0.0396		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0420		mg/Kg		105	77 - 121
1,4-Dichlorobenzene	0.0400	0.0412		mg/Kg		103	79 - 120
1,1-Dichloroethane	0.0400	0.0364		mg/Kg		91	73 - 124
1,2-Dichloroethane	0.0400	0.0370		mg/Kg		93	64 - 140
1,1-Dichloroethene	0.0400	0.0384		mg/Kg		96	55 - 136
1,4-Dioxane	0.800	0.622	J	mg/Kg		78	18 - 166
Ethylbenzene	0.0400	0.0406		mg/Kg		102	79 - 119
Methylene Chloride	0.0400	0.0385		mg/Kg		96	67 - 131
Methyl tert-butyl ether	0.0400	0.0343		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0352		mg/Kg		88	64 - 136

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

Lab Sample ID: LCS 180-376373/5
Matrix: Solid
Analysis Batch: 376373

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0407		mg/Kg		102	71 - 127
sec-Butylbenzene	0.0400	0.0376		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0402		mg/Kg		101	69 - 133
Tetrachloroethene	0.0400	0.0441		mg/Kg		110	71 - 121
Toluene	0.0400	0.0398		mg/Kg		100	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0408		mg/Kg		102	75 - 122
1,1,1-Trichloroethane	0.0400	0.0430		mg/Kg		107	72 - 134
Trichloroethene	0.0400	0.0447		mg/Kg		112	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0393		mg/Kg		98	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0396		mg/Kg		99	69 - 131
Vinyl chloride	0.0400	0.0311		mg/Kg		78	64 - 134
Xylenes, Total	0.0800	0.0806		mg/Kg		101	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*
Dibromofluoromethane (Surr)	*91*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: LCSD 180-376373/6
Matrix: Solid
Analysis Batch: 376373

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0269		mg/Kg		67	23 - 170	6	35
Benzene	0.0400	0.0361		mg/Kg		90	77 - 120	8	20
2-Butanone (MEK)	0.0400	0.0362		mg/Kg		90	39 - 157	18	33
Carbon tetrachloride	0.0400	0.0411		mg/Kg		103	73 - 130	7	21
Chlorobenzene	0.0400	0.0387		mg/Kg		97	79 - 122	8	20
Chloroform	0.0400	0.0370		mg/Kg		92	73 - 126	8	20
cis-1,2-Dichloroethene	0.0400	0.0388		mg/Kg		97	77 - 118	8	20
1,2-Dichlorobenzene	0.0400	0.0388		mg/Kg		97	76 - 120	2	20
1,3-Dichlorobenzene	0.0400	0.0390		mg/Kg		97	77 - 121	8	20
1,4-Dichlorobenzene	0.0400	0.0387		mg/Kg		97	79 - 120	6	20
1,1-Dichloroethane	0.0400	0.0340		mg/Kg		85	73 - 124	7	20
1,2-Dichloroethane	0.0400	0.0355		mg/Kg		89	64 - 140	4	20
1,1-Dichloroethene	0.0400	0.0361		mg/Kg		90	55 - 136	6	21
1,4-Dioxane	0.800	0.630	J	mg/Kg		79	18 - 166	1	40
Ethylbenzene	0.0400	0.0373		mg/Kg		93	79 - 119	9	20
Methylene Chloride	0.0400	0.0365		mg/Kg		91	67 - 131	5	32
Methyl tert-butyl ether	0.0400	0.0346		mg/Kg		86	58 - 132	1	24
n-Butylbenzene	0.0400	0.0366		mg/Kg		91	64 - 136	4	21
N-Propylbenzene	0.0400	0.0378		mg/Kg		95	71 - 127	7	20
sec-Butylbenzene	0.0400	0.0368		mg/Kg		92	65 - 130	2	20
tert-Butylbenzene	0.0400	0.0383		mg/Kg		96	69 - 133	5	23
Tetrachloroethene	0.0400	0.0421		mg/Kg		105	71 - 121	5	21
Toluene	0.0400	0.0370		mg/Kg		93	76 - 120	7	20
trans-1,2-Dichloroethene	0.0400	0.0378		mg/Kg		95	75 - 122	8	20

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

Lab Sample ID: LCSD 180-376373/6
Matrix: Solid
Analysis Batch: 376373

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0400	0.0398		mg/Kg		99	72 - 134	8	20
Trichloroethene			0.0400	0.0409		mg/Kg		102	69 - 118	9	20
1,2,4-Trimethylbenzene			0.0400	0.0368		mg/Kg		92	74 - 127	6	20
1,3,5-Trimethylbenzene			0.0400	0.0367		mg/Kg		92	69 - 131	8	20
Vinyl chloride			0.0400	0.0289		mg/Kg		72	64 - 134	7	23
Xylenes, Total			0.0800	0.0747		mg/Kg		93	78 - 118	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*
Dibromofluoromethane (Surr)	*89*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*
Toluene-d8 (Surr)	*85*		*67 - 134*

Lab Sample ID: MB 180-376497/5
Matrix: Solid
Analysis Batch: 376497

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/26/21 09:08	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/26/21 09:08	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/26/21 09:08	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/26/21 09:08	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/26/21 09:08	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/26/21 09:08	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/26/21 09:08	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/26/21 09:08	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/26/21 09:08	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/26/21 09:08	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/26/21 09:08	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/26/21 09:08	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/26/21 09:08	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/26/21 09:08	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/26/21 09:08	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/26/21 09:08	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/26/21 09:08	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/26/21 09:08	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/26/21 09:08	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/26/21 09:08	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/26/21 09:08	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/26/21 09:08	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/26/21 09:08	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/26/21 09:08	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/26/21 09:08	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/26/21 09:08	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/26/21 09:08	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/26/21 09:08	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/26/21 09:08	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/26/21 09:08	1

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

Lab Sample ID: MB 180-376497/5
Matrix: Solid
Analysis Batch: 376497

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*		*10/26/21 09:08*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*		*10/26/21 09:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*		*10/26/21 09:08*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*		*10/26/21 09:08*	*1*

Lab Sample ID: LCS 180-376497/3
Matrix: Solid
Analysis Batch: 376497

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0362		mg/Kg		90	23 - 170
Benzene	0.0400	0.0403		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0305		mg/Kg		76	39 - 157
Carbon tetrachloride	0.0400	0.0409		mg/Kg		102	73 - 130
Chlorobenzene	0.0400	0.0414		mg/Kg		103	79 - 122
Chloroform	0.0400	0.0397		mg/Kg		99	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0397		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0400		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0401		mg/Kg		100	77 - 121
1,4-Dichlorobenzene	0.0400	0.0409		mg/Kg		102	79 - 120
1,1-Dichloroethane	0.0400	0.0398		mg/Kg		100	73 - 124
1,2-Dichloroethane	0.0400	0.0397		mg/Kg		99	64 - 140
1,1-Dichloroethene	0.0400	0.0405		mg/Kg		101	55 - 136
1,4-Dioxane	0.800	0.684	J	mg/Kg		85	18 - 166
Ethylbenzene	0.0400	0.0430		mg/Kg		107	79 - 119
Methylene Chloride	0.0400	0.0427		mg/Kg		107	67 - 131
Methyl tert-butyl ether	0.0400	0.0386		mg/Kg		96	58 - 132
n-Butylbenzene	0.0400	0.0441		mg/Kg		110	64 - 136
N-Propylbenzene	0.0400	0.0408		mg/Kg		102	71 - 127
sec-Butylbenzene	0.0400	0.0429		mg/Kg		107	65 - 130
tert-Butylbenzene	0.0400	0.0415		mg/Kg		104	69 - 133
Tetrachloroethene	0.0400	0.0408		mg/Kg		102	71 - 121
Toluene	0.0400	0.0408		mg/Kg		102	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0406		mg/Kg		102	75 - 122
1,1,1-Trichloroethane	0.0400	0.0425		mg/Kg		106	72 - 134
Trichloroethene	0.0400	0.0391		mg/Kg		98	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0420		mg/Kg		105	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0404		mg/Kg		101	69 - 131
Vinyl chloride	0.0400	0.0393		mg/Kg		98	64 - 134
Xylenes, Total	0.0800	0.0848		mg/Kg		106	78 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

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

Lab Sample ID: MB 180-376529/1-A
Matrix: Solid
Analysis Batch: 376513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376529

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1.0	0.20	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Benzene	ND		0.25	0.071	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
2-Butanone (MEK)	ND		0.25	0.13	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Carbon tetrachloride	ND		0.25	0.10	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Chlorobenzene	ND		0.25	0.065	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Chloroform	ND		0.25	0.081	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
cis-1,2-Dichloroethene	ND		0.25	0.076	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,2-Dichlorobenzene	ND		0.25	0.084	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,3-Dichlorobenzene	ND		0.25	0.15	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,4-Dichlorobenzene	ND		0.25	0.075	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,1-Dichloroethane	ND		0.25	0.080	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,2-Dichloroethane	ND		0.25	0.072	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,1-Dichloroethene	ND		0.25	0.11	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,4-Dioxane	ND		50	1.8	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Ethylbenzene	ND		0.25	0.093	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Methylene Chloride	ND		0.25	0.23	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Methyl tert-butyl ether	ND		0.25	0.074	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
n-Butylbenzene	ND		0.25	0.12	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
N-Propylbenzene	ND		0.25	0.089	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
sec-Butylbenzene	ND		0.25	0.12	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
tert-Butylbenzene	ND		0.25	0.11	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Tetrachloroethene	ND		0.25	0.10	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Toluene	ND		0.25	0.072	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
trans-1,2-Dichloroethene	ND		0.25	0.088	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,1,1-Trichloroethane	ND		0.25	0.084	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Trichloroethene	ND		0.25	0.079	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,2,4-Trimethylbenzene	ND		0.25	0.086	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
1,3,5-Trimethylbenzene	ND		0.25	0.093	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Vinyl chloride	ND		0.25	0.18	mg/Kg		10/26/21 07:10	10/26/21 10:54	1
Xylenes, Total	ND		0.50	0.36	mg/Kg		10/26/21 07:10	10/26/21 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*54 - 119*	*10/26/21 07:10*	*10/26/21 10:54*	*1*
Dibromofluoromethane (Surr)	*119*		*57 - 126*	*10/26/21 07:10*	*10/26/21 10:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*49 - 147*	*10/26/21 07:10*	*10/26/21 10:54*	*1*
Toluene-d8 (Surr)	*98*		*55 - 118*	*10/26/21 07:10*	*10/26/21 10:54*	*1*

Lab Sample ID: LCS 180-376529/2-A
Matrix: Solid
Analysis Batch: 376513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1.00	1.10		mg/Kg		110	27 - 150
Benzene	0.500	0.491		mg/Kg		98	72 - 122
2-Butanone (MEK)	1.00	1.02		mg/Kg		102	31 - 152
Carbon tetrachloride	0.500	0.386		mg/Kg		77	66 - 138
Chlorobenzene	0.500	0.487		mg/Kg		97	78 - 124
Chloroform	0.500	0.416		mg/Kg		83	64 - 123

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

Lab Sample ID: LCS 180-376529/2-A
Matrix: Solid
Analysis Batch: 376513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376529

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.500	0.490		mg/Kg		98	71 - 118		
1,2-Dichlorobenzene			0.500	0.471		mg/Kg		94	66 - 116		
1,3-Dichlorobenzene			0.500	0.497		mg/Kg		99	75 - 116		
1,4-Dichlorobenzene			0.500	0.479		mg/Kg		96	75 - 118		
1,1-Dichloroethane			0.500	0.450		mg/Kg		90	59 - 124		
1,2-Dichloroethane			0.500	0.414		mg/Kg		83	49 - 162		
1,1-Dichloroethene			0.500	0.544		mg/Kg		109	53 - 129		
1,4-Dioxane			10.0	14.1	J	mg/Kg		141	10 - 170		
Ethylbenzene			0.500	0.470		mg/Kg		94	76 - 119		
Methylene Chloride			0.500	0.489		mg/Kg		98	64 - 132		
Methyl tert-butyl ether			0.500	0.594		mg/Kg		119	28 - 147		
n-Butylbenzene			0.500	0.625		mg/Kg		125	52 - 133		
N-Propylbenzene			0.500	0.588		mg/Kg		118	66 - 126		
sec-Butylbenzene			0.500	0.628	*+	mg/Kg		126	55 - 125		
tert-Butylbenzene			0.500	0.621		mg/Kg		124	65 - 129		
Tetrachloroethene			0.500	0.406		mg/Kg		81	68 - 121		
Toluene			0.500	0.462		mg/Kg		92	69 - 128		
trans-1,2-Dichloroethene			0.500	0.474		mg/Kg		95	67 - 123		
1,1,1-Trichloroethane			0.500	0.360		mg/Kg		72	65 - 137		
Trichloroethene			0.500	0.508		mg/Kg		102	69 - 121		
1,2,4-Trimethylbenzene			0.500	0.513		mg/Kg		103	69 - 126		
1,3,5-Trimethylbenzene			0.500	0.500		mg/Kg		100	61 - 126		
Vinyl chloride			0.500	0.436		mg/Kg		87	59 - 135		
Xylenes, Total			1.00	0.953		mg/Kg		95	73 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*54 - 119*
Dibromofluoromethane (Surr)	*99*		*57 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*49 - 147*
Toluene-d8 (Surr)	*90*		*55 - 118*

Lab Sample ID: LCSD 180-376529/3-A
Matrix: Solid
Analysis Batch: 376513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 376529

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			1.00	0.946	J	mg/Kg		95	27 - 150	15	40
Benzene			0.500	0.489		mg/Kg		98	72 - 122	0	40
2-Butanone (MEK)			1.00	0.953		mg/Kg		95	31 - 152	7	40
Carbon tetrachloride			0.500	0.380		mg/Kg		76	66 - 138	2	40
Chlorobenzene			0.500	0.468		mg/Kg		94	78 - 124	4	40
Chloroform			0.500	0.409		mg/Kg		82	64 - 123	2	40
cis-1,2-Dichloroethene			0.500	0.465		mg/Kg		93	71 - 118	5	40
1,2-Dichlorobenzene			0.500	0.467		mg/Kg		93	66 - 116	1	40
1,3-Dichlorobenzene			0.500	0.487		mg/Kg		97	75 - 116	2	40
1,4-Dichlorobenzene			0.500	0.477		mg/Kg		95	75 - 118	0	40
1,1-Dichloroethane			0.500	0.443		mg/Kg		89	59 - 124	2	40
1,2-Dichloroethane			0.500	0.406		mg/Kg		81	49 - 162	2	40

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

Lab Sample ID: LCSD 180-376529/3-A
Matrix: Solid
Analysis Batch: 376513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 376529

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.500	0.514		mg/Kg		103	53 - 129	6	40
1,4-Dioxane			10.0	11.7	J	mg/Kg		117	10 - 170	18	40
Ethylbenzene			0.500	0.463		mg/Kg		93	76 - 119	1	40
Methylene Chloride			0.500	0.480		mg/Kg		96	64 - 132	2	40
Methyl tert-butyl ether			0.500	0.550		mg/Kg		110	28 - 147	8	40
n-Butylbenzene			0.500	0.608		mg/Kg		122	52 - 133	3	40
N-Propylbenzene			0.500	0.631		mg/Kg		126	66 - 126	7	40
sec-Butylbenzene			0.500	0.648	*+	mg/Kg		130	55 - 125	3	40
tert-Butylbenzene			0.500	0.593		mg/Kg		119	65 - 129	5	40
Tetrachloroethene			0.500	0.416		mg/Kg		83	68 - 121	2	40
Toluene			0.500	0.454		mg/Kg		91	69 - 128	2	40
trans-1,2-Dichloroethene			0.500	0.460		mg/Kg		92	67 - 123	3	40
1,1,1-Trichloroethane			0.500	0.350		mg/Kg		70	65 - 137	3	40
Trichloroethene			0.500	0.495		mg/Kg		99	69 - 121	3	40
1,2,4-Trimethylbenzene			0.500	0.524		mg/Kg		105	69 - 126	2	40
1,3,5-Trimethylbenzene			0.500	0.534		mg/Kg		107	61 - 126	7	40
Vinyl chloride			0.500	0.405		mg/Kg		81	59 - 135	7	40
Xylenes, Total			1.00	0.924		mg/Kg		92	73 - 118	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*54 - 119*
Dibromofluoromethane (Surr)	*105*		*57 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*49 - 147*
Toluene-d8 (Surr)	*89*		*55 - 118*

Lab Sample ID: MB 180-376795/7
Matrix: Solid
Analysis Batch: 376795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/28/21 10:09	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/28/21 10:09	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/28/21 10:09	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/28/21 10:09	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/28/21 10:09	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/28/21 10:09	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/28/21 10:09	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/28/21 10:09	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/28/21 10:09	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/28/21 10:09	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/28/21 10:09	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/28/21 10:09	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/28/21 10:09	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/28/21 10:09	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/28/21 10:09	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/28/21 10:09	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/28/21 10:09	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/28/21 10:09	1

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

Lab Sample ID: MB 180-376795/7
Matrix: Solid
Analysis Batch: 376795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/28/21 10:09	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/28/21 10:09	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/28/21 10:09	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/28/21 10:09	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/28/21 10:09	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/28/21 10:09	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/28/21 10:09	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/28/21 10:09	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/28/21 10:09	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/28/21 10:09	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/28/21 10:09	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/28/21 10:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*10/28/21 10:09*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*		*10/28/21 10:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*		*10/28/21 10:09*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*10/28/21 10:09*	*1*

Lab Sample ID: LCS 180-376795/5
Matrix: Solid
Analysis Batch: 376795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0340		mg/Kg		85	23 - 170
Benzene	0.0400	0.0367		mg/Kg		92	77 - 120
2-Butanone (MEK)	0.0400	0.0347		mg/Kg		87	39 - 157
Carbon tetrachloride	0.0400	0.0421		mg/Kg		105	73 - 130
Chlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0379		mg/Kg		95	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0386		mg/Kg		96	77 - 118
1,2-Dichlorobenzene	0.0400	0.0392		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0389		mg/Kg		97	77 - 121
1,4-Dichlorobenzene	0.0400	0.0388		mg/Kg		97	79 - 120
1,1-Dichloroethane	0.0400	0.0348		mg/Kg		87	73 - 124
1,2-Dichloroethane	0.0400	0.0383		mg/Kg		96	64 - 140
1,1-Dichloroethene	0.0400	0.0381		mg/Kg		95	55 - 136
1,4-Dioxane	0.800	0.684	J	mg/Kg		86	18 - 166
Ethylbenzene	0.0400	0.0388		mg/Kg		97	79 - 119
Methylene Chloride	0.0400	0.0366		mg/Kg		92	67 - 131
Methyl tert-butyl ether	0.0400	0.0348		mg/Kg		87	58 - 132
n-Butylbenzene	0.0400	0.0313		mg/Kg		78	64 - 136
N-Propylbenzene	0.0400	0.0365		mg/Kg		91	71 - 127
sec-Butylbenzene	0.0400	0.0328		mg/Kg		82	65 - 130
tert-Butylbenzene	0.0400	0.0350		mg/Kg		87	69 - 133
Tetrachloroethene	0.0400	0.0428		mg/Kg		107	71 - 121
Toluene	0.0400	0.0370		mg/Kg		92	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0390		mg/Kg		97	75 - 122

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

Lab Sample ID: LCS 180-376795/5
Matrix: Solid
Analysis Batch: 376795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0400	0.0409		mg/Kg		102	72 - 134
Trichloroethene	0.0400	0.0420		mg/Kg		105	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0354		mg/Kg		88	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0355		mg/Kg		89	69 - 131
Vinyl chloride	0.0400	0.0324		mg/Kg		81	64 - 134
Xylenes, Total	0.0800	0.0778		mg/Kg		97	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*87*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-376478/1-A
Matrix: Solid
Analysis Batch: 376532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Anthracene	ND		0.0067	0.0017	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Chrysene	ND		0.0067	0.0037	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Fluorene	ND		0.0067	0.0013	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Phenol	ND		0.033	0.010	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Pyrene	ND		0.0067	0.0016	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
Pyridine	ND		0.067	0.018	mg/Kg		10/25/21 18:39	10/26/21 10:44	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		10/25/21 18:39	10/26/21 10:44	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-376478/1-A
Matrix: Solid
Analysis Batch: 376532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		10/25/21 18:39	10/26/21 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*37 - 107*	*10/25/21 18:39*	*10/26/21 10:44*	*1*
2-Fluorophenol (Surr)	*77*		*38 - 106*	*10/25/21 18:39*	*10/26/21 10:44*	*1*
Nitrobenzene-d5 (Surr)	*73*		*41 - 112*	*10/25/21 18:39*	*10/26/21 10:44*	*1*
Phenol-d5 (Surr)	*79*		*40 - 110*	*10/25/21 18:39*	*10/26/21 10:44*	*1*
Terphenyl-d14 (Surr)	*83*		*32 - 115*	*10/25/21 18:39*	*10/26/21 10:44*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*22 - 116*	*10/25/21 18:39*	*10/26/21 10:44*	*1*

Lab Sample ID: LCS 180-376478/2-A
Matrix: Solid
Analysis Batch: 376532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.478		mg/Kg		72	48 - 101
Acenaphthylene	0.667	0.480		mg/Kg		72	45 - 104
Anthracene	0.667	0.515		mg/Kg		77	50 - 111
Benzo[a]anthracene	0.667	0.529		mg/Kg		79	48 - 100
Benzo[a]pyrene	0.667	0.468		mg/Kg		70	48 - 106
Benzo[b]fluoranthene	0.667	0.463		mg/Kg		69	46 - 100
Benzo[g,h,i]perylene	0.667	0.475		mg/Kg		71	47 - 105
Benzo[k]fluoranthene	0.667	0.409		mg/Kg		61	46 - 107
Chrysene	0.667	0.509		mg/Kg		76	48 - 100
Dibenz(a,h)anthracene	0.667	0.478		mg/Kg		72	47 - 106
Dibenzofuran	0.667	0.460		mg/Kg		69	49 - 100
2,4-Dinitrotoluene	0.667	0.485		mg/Kg		73	54 - 107
1,4-Dioxane	0.667	0.509		mg/Kg		76	37 - 106
Fluoranthene	0.667	0.511		mg/Kg		77	52 - 100
Fluorene	0.667	0.487		mg/Kg		73	49 - 100
Hexachlorobenzene	0.667	0.486		mg/Kg		73	47 - 100
Hexachlorobutadiene	0.667	0.503		mg/Kg		75	30 - 100
Hexachloroethane	0.667	0.517		mg/Kg		78	48 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.458		mg/Kg		69	48 - 105
2-Methylphenol	0.667	0.497		mg/Kg		75	50 - 100
Methylphenol, 3 & 4	0.667	0.450		mg/Kg		68	51 - 100
Naphthalene	0.667	0.507		mg/Kg		76	49 - 100
Nitrobenzene	0.667	0.495		mg/Kg		74	48 - 100
Pentachlorophenol	1.33	0.847		mg/Kg		64	31 - 100
Phenanthrene	0.667	0.494		mg/Kg		74	48 - 106
Phenol	0.667	0.480		mg/Kg		72	49 - 100
Pyrene	0.667	0.537		mg/Kg		81	47 - 100
Pyridine	1.33	0.997		mg/Kg		75	39 - 106
2,4,5-Trichlorophenol	0.667	0.489		mg/Kg		73	44 - 100
2,4,6-Trichlorophenol	0.667	0.515		mg/Kg		77	44 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*37 - 107*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-376478/2-A
Matrix: Solid
Analysis Batch: 376532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376478

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	80		38 - 106
Nitrobenzene-d5 (Surr)	75		41 - 112
Phenol-d5 (Surr)	77		40 - 110
Terphenyl-d14 (Surr)	83		32 - 115
2,4,6-Tribromophenol (Surr)	74		22 - 116

Lab Sample ID: MB 180-376773/1-A
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Anthracene	ND		0.0034	0.00087	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Chrysene	ND		0.0034	0.0019	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Fluorene	ND		0.0034	0.00066	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Phenol	ND		0.017	0.0051	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Pyrene	ND		0.0034	0.00079	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
Pyridine	ND		0.034	0.0090	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		10/27/21 19:57	10/28/21 10:52	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		10/27/21 19:57	10/28/21 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		37 - 107	10/27/21 19:57	10/28/21 10:52	1
2-Fluorophenol (Surr)	85		38 - 106	10/27/21 19:57	10/28/21 10:52	1
Nitrobenzene-d5 (Surr)	80		41 - 112	10/27/21 19:57	10/28/21 10:52	1
Phenol-d5 (Surr)	82		40 - 110	10/27/21 19:57	10/28/21 10:52	1
Terphenyl-d14 (Surr)	96		32 - 115	10/27/21 19:57	10/28/21 10:52	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-376773/1-A
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376773

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		22 - 116	10/27/21 19:57	10/28/21 10:52	1

Lab Sample ID: LCS 180-376773/2-A
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.238		mg/Kg		71	48 - 101
Acenaphthylene	0.333	0.245		mg/Kg		74	45 - 104
Anthracene	0.333	0.247		mg/Kg		74	50 - 111
Benzo[a]anthracene	0.333	0.263		mg/Kg		79	48 - 100
Benzo[a]pyrene	0.333	0.230		mg/Kg		69	48 - 106
Benzo[b]fluoranthene	0.333	0.238		mg/Kg		71	46 - 100
Benzo[g,h,i]perylene	0.333	0.214		mg/Kg		64	47 - 105
Benzo[k]fluoranthene	0.333	0.211		mg/Kg		63	46 - 107
Chrysene	0.333	0.242		mg/Kg		73	48 - 100
Dibenz(a,h)anthracene	0.333	0.240		mg/Kg		72	47 - 106
Dibenzofuran	0.333	0.234		mg/Kg		70	49 - 100
2,4-Dinitrotoluene	0.333	0.259		mg/Kg		78	54 - 107
1,4-Dioxane	0.333	0.223		mg/Kg		67	37 - 106
Fluoranthene	0.333	0.251		mg/Kg		75	52 - 100
Fluorene	0.333	0.237		mg/Kg		71	49 - 100
Hexachlorobenzene	0.333	0.237		mg/Kg		71	47 - 100
Hexachlorobutadiene	0.333	0.233		mg/Kg		70	30 - 100
Hexachloroethane	0.333	0.244		mg/Kg		73	48 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.236		mg/Kg		71	48 - 105
2-Methylphenol	0.333	0.243		mg/Kg		73	50 - 100
Methylphenol, 3 & 4	0.333	0.246		mg/Kg		74	51 - 100
Naphthalene	0.333	0.235		mg/Kg		71	49 - 100
Nitrobenzene	0.333	0.249		mg/Kg		75	48 - 100
Pentachlorophenol	0.667	0.513		mg/Kg		77	31 - 100
Phenanthrene	0.333	0.242		mg/Kg		73	48 - 106
Phenol	0.333	0.248		mg/Kg		74	49 - 100
Pyrene	0.333	0.251		mg/Kg		75	47 - 100
Pyridine	0.667	0.498		mg/Kg		75	39 - 106
2,4,5-Trichlorophenol	0.333	0.253		mg/Kg		76	44 - 100
2,4,6-Trichlorophenol	0.333	0.246		mg/Kg		74	44 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	70		37 - 107
2-Fluorophenol (Surr)	80		38 - 106
Nitrobenzene-d5 (Surr)	74		41 - 112
Phenol-d5 (Surr)	75		40 - 110
Terphenyl-d14 (Surr)	78		32 - 115
2,4,6-Tribromophenol (Surr)	78		22 - 116

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

Lab Sample ID: MB 180-376775/1-A
Matrix: Solid
Analysis Batch: 377303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1221	ND		0.017	0.0059	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1232	ND		0.017	0.0041	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1242	ND		0.017	0.0024	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1248	ND		0.017	0.0040	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1254	ND		0.017	0.0050	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1260	ND		0.017	0.0047	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1262	ND		0.017	0.0059	mg/Kg		10/27/21 22:56	11/02/21 19:23	1
PCB-1268	ND		0.017	0.0022	mg/Kg		10/27/21 22:56	11/02/21 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*31 - 150*	*10/27/21 22:56*	*11/02/21 19:23*	*1*
DCB Decachlorobiphenyl (Surr)	*127*		*31 - 150*	*10/27/21 22:56*	*11/02/21 19:23*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*20 - 150*	*10/27/21 22:56*	*11/02/21 19:23*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*20 - 150*	*10/27/21 22:56*	*11/02/21 19:23*	*1*

Lab Sample ID: LCS 180-376775/3-A
Matrix: Solid
Analysis Batch: 377303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.03		mg/Kg		78	61 - 125
PCB-1260	1.33	1.22		mg/Kg		92	57 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*108*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*108*		*31 - 150*
Tetrachloro-m-xylene (Surr)	*102*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*93*		*20 - 150*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-376690/1-A
Matrix: Solid
Analysis Batch: 376932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Barium	ND		20	1.1	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Beryllium	ND		0.40	0.023	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Cadmium	ND		0.50	0.036	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Chromium	ND		0.50	0.41	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Copper	ND		2.5	2.3	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Lead	ND		1.0	0.51	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Manganese	ND		1.5	0.41	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Nickel	ND		4.0	0.25	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Selenium	ND		1.0	0.52	mg/Kg		10/27/21 11:01	10/28/21 17:04	1
Silver	ND		0.50	0.11	mg/Kg		10/27/21 11:01	10/28/21 17:04	1

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

Lab Sample ID: MB 180-376690/1-A
Matrix: Solid
Analysis Batch: 376932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	1.6	mg/Kg		10/27/21 11:01	10/28/21 17:04	1

Lab Sample ID: LCS 180-376690/2-A
Matrix: Solid
Analysis Batch: 376932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120
Barium	100	94.4		mg/Kg		94	80 - 120
Beryllium	50.0	47.6		mg/Kg		95	80 - 120
Cadmium	50.0	47.8		mg/Kg		96	80 - 120
Chromium	50.0	47.0		mg/Kg		94	80 - 120
Copper	50.0	47.9		mg/Kg		96	80 - 120
Lead	50.0	44.4		mg/Kg		89	80 - 120
Manganese	50.0	46.2		mg/Kg		92	80 - 120
Nickel	50.0	46.4		mg/Kg		93	80 - 120
Selenium	100	95.1		mg/Kg		95	80 - 120
Silver	25.0	23.3		mg/Kg		93	80 - 120
Zinc	25.0	23.5		mg/Kg		94	80 - 120

Lab Sample ID: 180-128923-1 MS
Matrix: Solid
Analysis Batch: 376932

Client Sample ID: SSHS-IRM5A2-A1-A1C
Prep Type: Total/NA
Prep Batch: 376690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.8		77.6	64.1		mg/Kg	☼	75	75 - 125
Barium	70	F1	77.6	123	F1	mg/Kg	☼	68	75 - 125
Beryllium	0.37	F1	38.8	28.4	F1	mg/Kg	☼	72	75 - 125
Cadmium	ND	F1	38.8	28.3	F1	mg/Kg	☼	73	75 - 125
Chromium	10	F1	38.8	37.5	F1	mg/Kg	☼	71	75 - 125
Copper	17		38.8	45.8		mg/Kg	☼	75	75 - 125
Lead	21	F1	38.8	47.0	F1	mg/Kg	☼	67	75 - 125
Manganese	340	F2	38.8	392	4	mg/Kg	☼	128	75 - 125
Nickel	16		38.8	46.6		mg/Kg	☼	79	75 - 125
Selenium	ND	F1	77.6	55.0	F1	mg/Kg	☼	71	75 - 125
Silver	ND	F1	19.4	13.8	F1	mg/Kg	☼	71	75 - 125
Zinc	48	F1	19.4	65.1		mg/Kg	☼	88	75 - 125

Lab Sample ID: 180-128923-1 MSD
Matrix: Solid
Analysis Batch: 376932

Client Sample ID: SSHS-IRM5A2-A1-A1C
Prep Type: Total/NA
Prep Batch: 376690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.8		77.6	65.8		mg/Kg	☼	77	75 - 125	3	20
Barium	70	F1	77.6	124	F1	mg/Kg	☼	70	75 - 125	1	20
Beryllium	0.37	F1	38.8	29.1	F1	mg/Kg	☼	74	75 - 125	3	20
Cadmium	ND	F1	38.8	29.1		mg/Kg	☼	75	75 - 125	3	20
Chromium	10	F1	38.8	37.7	F1	mg/Kg	☼	71	75 - 125	0	20
Copper	17		38.8	45.8		mg/Kg	☼	75	75 - 125	0	20

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

Lab Sample ID: 180-128923-1 MSD — **Client Sample ID: SSHS-IRM5A2-A1-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 376932 — **Prep Batch: 376690**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	21	F1	38.8	43.9	F1	mg/Kg	☼	59	75 - 125	7	20
Manganese	340	F2	38.8	1010	4 F2	mg/Kg	☼	1728	75 - 125	88	20
Nickel	16		38.8	48.3		mg/Kg	☼	83	75 - 125	4	20
Selenium	ND	F1	77.6	57.3	F1	mg/Kg	☼	74	75 - 125	4	20
Silver	ND	F1	19.4	14.2	F1	mg/Kg	☼	73	75 - 125	2	20
Zinc	48	F1	19.4	58.5	F1	mg/Kg	☼	54	75 - 125	11	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-376517/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 376744 — **Prep Batch: 376517**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		10/26/21 07:36	10/27/21 11:52	1

Lab Sample ID: LCS 180-376517/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 376744 — **Prep Batch: 376517**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.405		mg/Kg		97	80 - 120

Lab Sample ID: 180-128923-1 MS — **Client Sample ID: SSHS-IRM5A2-A1-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 376744 — **Prep Batch: 376517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.031	J	0.155	0.181		mg/Kg	☼	97	80 - 120

Lab Sample ID: 180-128923-1 MSD — **Client Sample ID: SSHS-IRM5A2-A1-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 376744 — **Prep Batch: 376517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.031	J	0.166	0.181		mg/Kg	☼	90	80 - 120	0	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-128923-10 DU — **Client Sample ID: SSHS-IRM5A2-A1-A4C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 376471

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.1		12.1		%		9	10
Percent Solids	88.9		87.9		%		1	10

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-128923-19 DU
Matrix: Solid
Analysis Batch: 376475

Client Sample ID: SSHS-IRM5A2-A1-A7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.5		12.7		%		9	10
Percent Solids	88.5		87.3		%		1	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-376745/1-A
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		10/28/21 11:00	10/29/21 15:19	1

Lab Sample ID: LCSI 180-376745/3-A
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376745

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	650		mg/Kg		92	80 - 120

Lab Sample ID: LCSS 180-376745/2-A
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376745

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.4		mg/Kg		87	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-377504/4-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/03/21 16:45	11/04/21 11:41	1

Lab Sample ID: HLCS 180-377504/2-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377504

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-377504/3-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	18.2		mg/Kg		79	17 - 163

GC/MS VOA

Analysis Batch: 376365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-20	SSHS-IRM5A2-A1-A7A	Total/NA	Solid	EPA 8260C	376384
180-128923-21	SSHS-IRM5A2-A1-A7B	Total/NA	Solid	EPA 8260C	376384
180-128923-23	SSHS-IRM5A2-A1-A8A	Total/NA	Solid	EPA 8260C	376384
180-128923-24	SSHS-IRM5A2-A1-A8B	Total/NA	Solid	EPA 8260C	376384
180-128923-26	SSHS-IRM5A2-A1-A9A	Total/NA	Solid	EPA 8260C	376384
180-128923-27	SSHS-IRM5A2-A1-A9B	Total/NA	Solid	EPA 8260C	376384
MB 180-376365/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376365/29	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Analysis Batch: 376373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-3	SSHS-IRM5A2-A1-A1B	Total/NA	Solid	EPA 8260C	376413
180-128923-5	SSHS-IRM5A2-A1-A2A	Total/NA	Solid	EPA 8260C	376413
180-128923-6	SSHS-IRM5A2-A1-A2B	Total/NA	Solid	EPA 8260C	376413
180-128923-9	SSHS-IRM5A2-A1-A3B	Total/NA	Solid	EPA 8260C	376413
180-128923-11	SSHS-IRM5A2-A1-A4A	Total/NA	Solid	EPA 8260C	376413
180-128923-12	SSHS-IRM5A2-A1-A4B	Total/NA	Solid	EPA 8260C	376413
180-128923-14	SSHS-IRM5A2-A1-A5A	Total/NA	Solid	EPA 8260C	376413
180-128923-15	SSHS-IRM5A2-A1-A5B	Total/NA	Solid	EPA 8260C	376413
180-128923-17	SSHS-IRM5A2-A1-A6A	Total/NA	Solid	EPA 8260C	376413
180-128923-18	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	EPA 8260C	376413
MB 180-376373/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376373/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-376373/6	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 376384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-20	SSHS-IRM5A2-A1-A7A	Total/NA	Solid	5035	
180-128923-21	SSHS-IRM5A2-A1-A7B	Total/NA	Solid	5035	
180-128923-23	SSHS-IRM5A2-A1-A8A	Total/NA	Solid	5035	
180-128923-24	SSHS-IRM5A2-A1-A8B	Total/NA	Solid	5035	
180-128923-26	SSHS-IRM5A2-A1-A9A	Total/NA	Solid	5035	
180-128923-27	SSHS-IRM5A2-A1-A9B	Total/NA	Solid	5035	

Prep Batch: 376413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-3	SSHS-IRM5A2-A1-A1B	Total/NA	Solid	5035	
180-128923-5	SSHS-IRM5A2-A1-A2A	Total/NA	Solid	5035	
180-128923-6	SSHS-IRM5A2-A1-A2B	Total/NA	Solid	5035	
180-128923-9	SSHS-IRM5A2-A1-A3B	Total/NA	Solid	5035	
180-128923-11	SSHS-IRM5A2-A1-A4A	Total/NA	Solid	5035	
180-128923-12	SSHS-IRM5A2-A1-A4B	Total/NA	Solid	5035	
180-128923-14	SSHS-IRM5A2-A1-A5A	Total/NA	Solid	5035	
180-128923-15	SSHS-IRM5A2-A1-A5B	Total/NA	Solid	5035	
180-128923-17	SSHS-IRM5A2-A1-A6A	Total/NA	Solid	5035	
180-128923-18	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	5035	

Analysis Batch: 376497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-2	SSHS-IRM5A2-A1-A1A	Total/NA	Solid	EPA 8260C	376520
180-128923-8	SSHS-IRM5A2-A1-A3A	Total/NA	Solid	EPA 8260C	376520

GC/MS VOA (Continued)

Analysis Batch: 376497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-376497/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376497/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Analysis Batch: 376513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-18 - RA2	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	EPA 8260C	376529
MB 180-376529/1-A	Method Blank	Total/NA	Solid	EPA 8260C	376529
LCS 180-376529/2-A	Lab Control Sample	Total/NA	Solid	EPA 8260C	376529
LCSD 180-376529/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	376529

Prep Batch: 376520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-2	SSHS-IRM5A2-A1-A1A	Total/NA	Solid	5035	
180-128923-8	SSHS-IRM5A2-A1-A3A	Total/NA	Solid	5035	

Prep Batch: 376529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-18 - RA2	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	5035	
MB 180-376529/1-A	Method Blank	Total/NA	Solid	5035	
LCS 180-376529/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-376529/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 376795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-18 - RA	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	EPA 8260C	376820
MB 180-376795/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376795/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 376820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-18 - RA	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 376478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3541	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	3541	
MB 180-376478/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-376478/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 376532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 8270D LL	376478
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	EPA 8270D LL	376478
MB 180-376478/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	376478
LCS 180-376478/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	376478

Prep Batch: 376773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 376773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	3541	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	3541	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	3541	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	3541	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	3541	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	3541	
MB 180-376773/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-376773/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 376825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	EPA 8270D LL	376773
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	EPA 8270D LL	376773
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	EPA 8270D LL	376773
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	EPA 8270D LL	376773
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	EPA 8270D LL	376773
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	EPA 8270D LL	376773
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	EPA 8270D LL	376773
MB 180-376773/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	376773

Analysis Batch: 376996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-376773/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	376773

GC Semi VOA

Prep Batch: 376775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3541	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	3541	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	3541	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	3541	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	3541	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	3541	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	3541	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	3541	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	3541	
MB 180-376775/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-376775/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 377303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 8082A	377362
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	EPA 8082A	377362
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	EPA 8082A	377362
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	EPA 8082A	377362
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	EPA 8082A	377362
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	EPA 8082A	377362
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	EPA 8082A	377362
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	EPA 8082A	377362
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	EPA 8082A	377362

GC Semi VOA (Continued)

Analysis Batch: 377303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-376775/1-A	Method Blank	Total/NA	Solid	EPA 8082A	376775
LCS 180-376775/3-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	376775

Cleanup Batch: 377361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3665A	376775
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	3665A	376775
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	3665A	376775
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	3665A	376775
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	3665A	376775
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	3665A	376775
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	3665A	376775
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	3665A	376775
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	3665A	376775

Cleanup Batch: 377362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3660B	377361
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	3660B	377361
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	3660B	377361
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	3660B	377361
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	3660B	377361
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	3660B	377361
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	3660B	377361
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	3660B	377361
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	3660B	377361

Metals

Prep Batch: 376517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	7471B	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	7471B	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	7471B	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	7471B	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	7471B	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	7471B	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	7471B	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	7471B	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	7471B	
MB 180-376517/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-376517/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-128923-1 MS	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	7471B	
180-128923-1 MSD	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	7471B	

Prep Batch: 376690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3050B	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	3050B	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	3050B	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 376690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	3050B	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	3050B	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	3050B	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	3050B	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	3050B	
MB 180-376690/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-376690/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-128923-1 MS	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3050B	
180-128923-1 MSD	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3050B	

Analysis Batch: 376744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 7471B	376517
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	EPA 7471B	376517
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	EPA 7471B	376517
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	EPA 7471B	376517
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	EPA 7471B	376517
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	EPA 7471B	376517
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	EPA 7471B	376517
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	EPA 7471B	376517
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	EPA 7471B	376517
MB 180-376517/1-A	Method Blank	Total/NA	Solid	EPA 7471B	376517
LCS 180-376517/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	376517
180-128923-1 MS	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 7471B	376517
180-128923-1 MSD	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 7471B	376517

Analysis Batch: 376932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 6010C	376690
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	EPA 6010C	376690
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	EPA 6010C	376690
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	EPA 6010C	376690
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	EPA 6010C	376690
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	EPA 6010C	376690
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	EPA 6010C	376690
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	EPA 6010C	376690
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	EPA 6010C	376690
MB 180-376690/1-A	Method Blank	Total/NA	Solid	EPA 6010C	376690
LCS 180-376690/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	376690
180-128923-1 MS	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 6010C	376690
180-128923-1 MSD	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 6010C	376690

General Chemistry

Analysis Batch: 376471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	2540G	
180-128923-2	SSHS-IRM5A2-A1-A1A	Total/NA	Solid	2540G	
180-128923-3	SSHS-IRM5A2-A1-A1B	Total/NA	Solid	2540G	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	2540G	
180-128923-5	SSHS-IRM5A2-A1-A2A	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 376471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-6	SSHS-IRM5A2-A1-A2B	Total/NA	Solid	2540G	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	2540G	
180-128923-8	SSHS-IRM5A2-A1-A3A	Total/NA	Solid	2540G	
180-128923-9	SSHS-IRM5A2-A1-A3B	Total/NA	Solid	2540G	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	2540G	
180-128923-11	SSHS-IRM5A2-A1-A4A	Total/NA	Solid	2540G	
180-128923-12	SSHS-IRM5A2-A1-A4B	Total/NA	Solid	2540G	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	2540G	
180-128923-14	SSHS-IRM5A2-A1-A5A	Total/NA	Solid	2540G	
180-128923-15	SSHS-IRM5A2-A1-A5B	Total/NA	Solid	2540G	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	2540G	
180-128923-17	SSHS-IRM5A2-A1-A6A	Total/NA	Solid	2540G	
180-128923-10 DU	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	2540G	

Analysis Batch: 376475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-18	SSHS-IRM5A2-A1-A6B	Total/NA	Solid	2540G	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	2540G	
180-128923-20	SSHS-IRM5A2-A1-A7A	Total/NA	Solid	2540G	
180-128923-21	SSHS-IRM5A2-A1-A7B	Total/NA	Solid	2540G	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	2540G	
180-128923-23	SSHS-IRM5A2-A1-A8A	Total/NA	Solid	2540G	
180-128923-24	SSHS-IRM5A2-A1-A8B	Total/NA	Solid	2540G	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	2540G	
180-128923-26	SSHS-IRM5A2-A1-A9A	Total/NA	Solid	2540G	
180-128923-27	SSHS-IRM5A2-A1-A9B	Total/NA	Solid	2540G	
180-128923-19 DU	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	2540G	

Prep Batch: 376745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	3060A	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	3060A	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	3060A	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	3060A	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	3060A	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	3060A	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	3060A	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	3060A	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	3060A	
MB 180-376745/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-376745/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-376745/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 377047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 7196A	376745
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	EPA 7196A	376745
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	EPA 7196A	376745
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	EPA 7196A	376745
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	EPA 7196A	376745
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	EPA 7196A	376745

General Chemistry (Continued)

Analysis Batch: 377047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	EPA 7196A	376745
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	EPA 7196A	376745
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	EPA 7196A	376745
MB 180-376745/1-A	Method Blank	Total/NA	Solid	EPA 7196A	376745
LCSI 180-376745/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	376745
LCSS 180-376745/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	376745

Prep Batch: 377504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	9010C	
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	9010C	
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	9010C	
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	9010C	
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	9010C	
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	9010C	
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	9010C	
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	9010C	
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	9010C	
MB 180-377504/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377504/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377504/3-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 377671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128923-1	SSHS-IRM5A2-A1-A1C	Total/NA	Solid	EPA 9014	377504
180-128923-4	SSHS-IRM5A2-A1-A2C	Total/NA	Solid	EPA 9014	377504
180-128923-7	SSHS-IRM5A2-A1-A3C	Total/NA	Solid	EPA 9014	377504
180-128923-10	SSHS-IRM5A2-A1-A4C	Total/NA	Solid	EPA 9014	377504
180-128923-13	SSHS-IRM5A2-A1-A5C	Total/NA	Solid	EPA 9014	377504
180-128923-16	SSHS-IRM5A2-A1-A6C	Total/NA	Solid	EPA 9014	377504
180-128923-19	SSHS-IRM5A2-A1-A7C	Total/NA	Solid	EPA 9014	377504
180-128923-22	SSHS-IRM5A2-A1-A8C	Total/NA	Solid	EPA 9014	377504
180-128923-25	SSHS-IRM5A2-A1-A9C	Total/NA	Solid	EPA 9014	377504
MB 180-377504/4-A	Method Blank	Total/NA	Solid	EPA 9014	377504
HLCS 180-377504/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377504
LCS 180-377504/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377504

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A4B	10/22/21	14:56	G	S	N	N	X												4	Containers fo sent directly t Pittsburgh wil
SSHS-IRM5A2-A1-A5C	10/22/21	15:00	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A5A	10/22/21	15:01	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A5B	10/22/21	15:02	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A6C collection time is 15:10 as per Miranda Stelmach. D. Dunlap 10/26/21	10/22/21	~~15:03~~	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A6A	10/22/21	15:13	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A6B	10/22/21	15:12	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A7C	10/22/21	17:10	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A7A	10/22/21	17:15	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A7B	10/22/21	17:20	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A8C	10/22/21	17:30	C	S	N	N		X	X	X	X	X	X	X					5	

180-128923 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/22/21/1800			10/23/21 10:30	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A1C	10/22/21	13:30	C	S	N	N		X	X	X	X	X	X	X					5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A1A	10/22/21	13:40	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A1B	10/22/21	13:43	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A2C	10/22/21	13:25	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A2A	10/22/21	13:30	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A2B	10/22/21	13:35	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A3C	10/22/21	13:50	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A3A	10/22/21	13:56	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A3B	10/22/21	13:57	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A4C	10/22/21	14:45	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A4A	10/22/21	14:48	G	S	N	N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/22/21 1800			10/23/21 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A8A	10/22/21	17:35	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A8B	10/22/21	17:40	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A9C	10/22/21	17:50	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A9A	10/22/21	17:55	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A9B	10/22/21	18:00	G	S	N	N	X								4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/22/21 1809			10/23/21 1030	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-128923 Chain of Custody

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A1C	10/22/21	13:30	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A1A	10/22/21	13:40	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A1B	10/22/21	13:43	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A2C	10/22/21	13:25	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A2A	10/22/21	13:30	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A2B	10/22/21	13:35	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A3C	10/22/21	13:50	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A3A	10/22/21	13:56	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A3B	10/22/21	13:57	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A4C	10/22/21	14:45	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A4A	10/22/21	14:48	G	S	N	N	X								4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/22/21 1800			10/23/21 920	EEI Sac
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A4B	10/22/21	14:56	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A5C	10/22/21	15:00	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A5A	10/22/21	15:01	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A5B	10/22/21	15:02	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A6C	10/22/21	15:03	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A6A	10/22/21	15:13	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A6B	10/22/21	15:12	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A7C	10/22/21	17:10	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A7A	10/22/21	17:15	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A7B	10/22/21	17:20	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A8C	10/22/21	17:30	C	S	N	N		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/22/21 1800			10/23/21 910	EETSc
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2

Ver: 01/16/2019

40Z for NO time; date 10/23/21 ✗ 80Z; 40Z for time 1510 but rec 1523

Page 88 of 93

11/5/2021

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A8A	10/22/21	17:35	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1-A8B	10/22/21	17:40	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A9C	10/22/21	17:50	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A9A	10/22/21	17:55	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A9B	10/22/21	18:00	G	S	N	N	X								4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/22/21 1800			10/23/21 920	EETSL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

180-128923 Field Sheet

Tracking # : 2849 6844 9593

Job: _____

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

GSO / OnTrac / Goldstreak / USPS / Other _____

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

Therm. ID: L01 Corr. Factor: (+ / -) NA °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 2.2 °C Corrected: 2.2 °C

From: Temp Blank ☒ Sample ☐

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

Initials: SO Date: 10/23/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

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

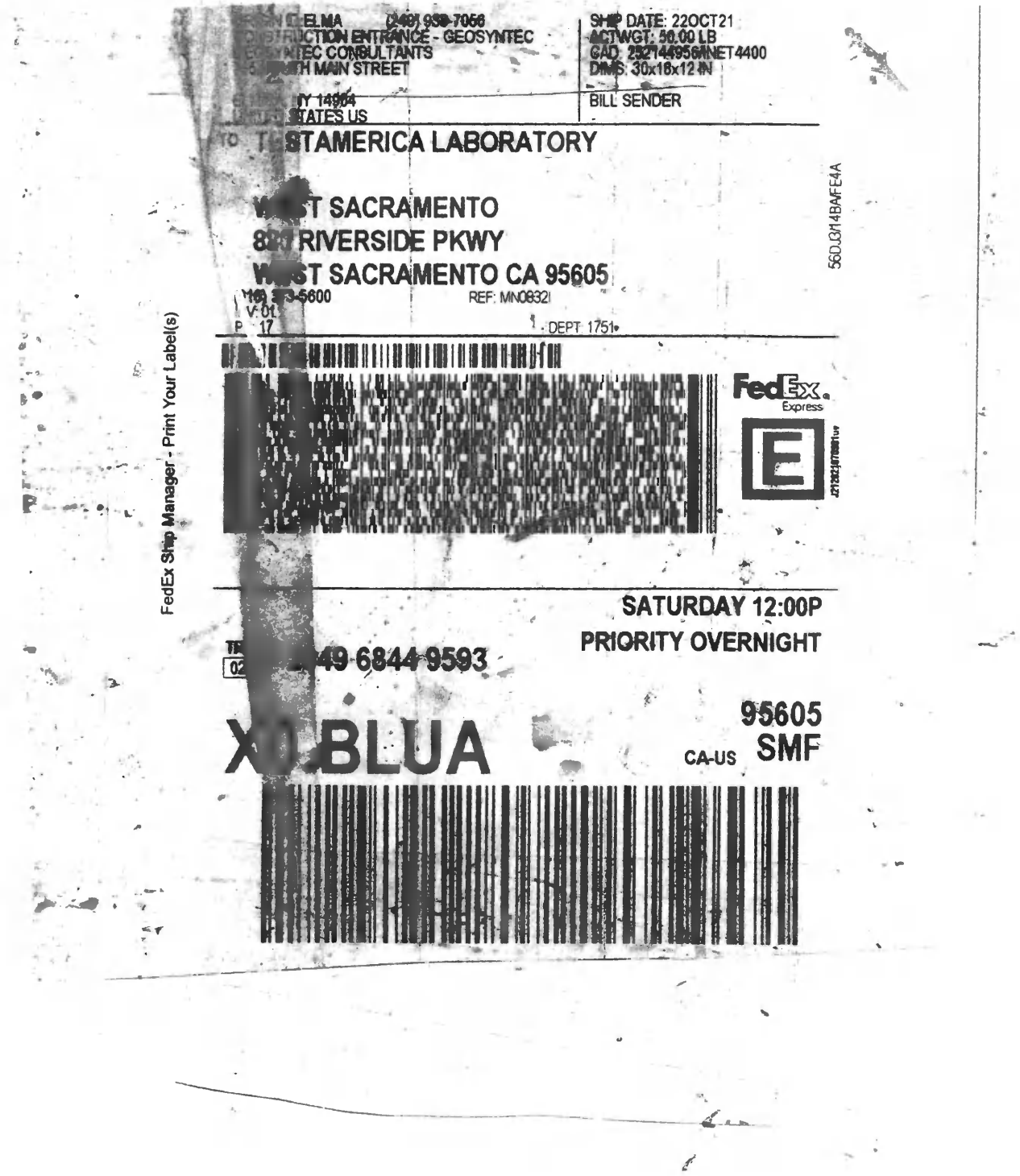
Initials: SO Date: 10/23/21

Notes: _____

Trizma Lot #(s): _____

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

Initials: SO Date: 10/23/21


ELMA (248) 968-7066
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
H MAIN STREET
NY 14904
STATES US
SHIP DATE: 22OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x16x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
ST SACRAMENTO
RIVERSIDE PKWY
ST SACRAMENTO CA 95605
REF: MN0832
DEPT: 1751
FedEx Express
SATURDAY 12:00P
PRIORITY OVERNIGHT
49 6844 9593
95605
CA-US SMF
BLUA
FedEx Ship Manager - Print Your Label(s)

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128923-1

Login Number: 128923
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128923-1

Login Number: 128923
List Number: 2
Creator: Kovitch, Christina M

List Source: Eurofins TestAmerica, Pittsburgh

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

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-128974-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/8/2021 4:04:17 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

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Job ID: 180-128974-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128974-1

Comments
Notation was made to the coc regarding sample IDs on page 4 of 7 and also four samples that were recollected on 10/27/21 for all analyses except PFAS due to infiltration of water into the sample containers. The composite samples were stored on-site, on ice, until shipment on Monday 10/25/21, but due to melted ice over the weekend, water infiltrated into various containers. Four of the samples had all containers (except PFAS) impacted and were recollected on 10/27 for all analyses except PFAS. There was sufficient volume in the un-impacted containers of other samples to complete all analyses.

Receipt
The samples were received on 10/26 and 28/2021 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition (except as noted above), and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.5º C, 1.3º C, 1.3º C, 1.8º C, 2.9º C, 4.6º C and 4.7º C.

GC/MS VOA
Method 8260C: The recoveries of all surrogates were below the control limits for the following sample: SSHS-IRM5A2-A1-A10A (180-128974-1). The sample was re-analyzed and again had all surrogate recoveries below the control limits. Results of both analyses were reported.

Method 8260C: The recovery of surrogate Dibromofluoromethane for the following samples was above the control limits: SSHS-IRM5A2-A1-A13A (180-128974-10) and SSHS-IRM5A2-A1-A14B (180-128974-14). As the surrogate was high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The internal standard (ISTD) responses of Fluorobenzene, Chlorobenzene-d5, and 1,4-dichlorobenzene-d4 were below criteria for the following sample: SSHS-IRM5A2-A1-A14A (180-128974-13). The sample was re-analyzed and had the internal standard response of Fluorobenzene and 1,4-dichlorobenzene-d4 above criteria. Results of both analyses were reported.

Method 8260C: The recoveries of surrogates Dibromofluoromethane and 1,2-Dichloroethane-d4 for the following sample were above the control limits: SSHS-IRM5A2-A1-A16A (180-128974-19) and SSHS-IRM5A2-A1-A14B (180-128974-14). As the surrogates were high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The recovery of surrogate 4-Bromofluorobenzene for the following sample was below the control limits: SSHS-IRM5A2-A1-A16B (180-128974-20). The sample was re-analyzed and had the recoveries of 4-Bromofluorobenzene and Toluene-d8 below the control limits. Results of both analyses were reported.

Method 8260C: The recovery of surrogate 4-Bromofluorobenzene for the following sample was below the control limits: SSHS-IRM5A2-A1-A18A (180-128974-25). The sample was re-analyzed and had the recoveries of Dibromofluoromethane and 1,2-Dichloroethane-d4 above the control limits. Results of both analyses were reported.

Method 8260C: The recovery of surrogate 1.2-Dichloroethane-d4 for the following sample was above the control limits: SSHS-IRM5A2-A1-A19B (180-128974-29). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 were below criteria for the following sample: SSHS-IRM5A2-A1-A20B (180-128974-32). The sample was re-analyzed and again had the internal standard response below criteria. The re-analysis also had the recovery of surrogate 4-Bromofluoorbenzene below the control limits. Results of both analyses were reported.

Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 were below criteria for the following samples: SSHS-IRM5A2-A1-A21B (180-128974-35), SSHS-IRM5A2-A1-A22A (180-128974-37), and SSHS-IRM5A2-A1-A25A (180-128974-49). The samples were re-analyzed and again had the internal standard response below criteria. Results of both analyses were reported.

Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 were below criteria for the following sample: SSHS-IRM5A2-A1-DUP2A (180-128974-40). The sample was re-analyzed and had the internal standard responses of Fluorobenzene,

Job ID: 180-128974-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Chlorobenzene-d5, and 1,4-dichlorobenzene-d4 below criteria. Results of both analyses were reported.

Method 8260C: The laboratory control sample (LCS) for analytical batch 180-376951 recovered above the control limits for the following analytes: Vinyl chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 180-377560 recovered above the control limits for the following analyte: 2-Butanone. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A20B (180-128974-32) had several recoveries and the majority of RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376815 was below criteria for the following analyte: 1,4-Dioxane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376815 was above criteria for the following analytes: sec-Butylbenzene and n-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376795 was below criteria for the following analytes: 1,4-Dioxane, Vinyl chloride, Acetone, Methyl tert-butyl ether, and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376951 was below criteria for the following analytes: 1,4-Dioxane and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-376951 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377119 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377125 was below criteria for the following analyte: n-Butylbenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377418 was above criteria for the following analytes: 1,4-Dioxane and Vinyl Chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377560 was below criteria for the following analyte: 1,4-Dioxane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377560 was above criteria for the following analyte: 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is

Job ID: 180-128974-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

considered estimated.

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

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A1-A13C (180-128974-12), SSHS-IRM5A2-A1-A16C (180-128974-21), SSHS-IRM5A2-A1-A17C (180-128974-24), SSHS-IRM5A2-A1-A18C (180-128974-27), SSHS-IRM5A2-A1-A19C (180-128974-30), SSHS-IRM5A2-A1-A20C (180-128974-33) and its matrix spikes, SSHS-IRM5A2-A1-A21C (180-128974-36), SSHS-IRM5A2-A1-A22C (180-128974-39), SSHS-IRM5A2-A1-DUP2C (180-128974-42), SSHS-IRM5A2-A1-A23C (180-128974-45), SSHS-IRM5A2-A1-A24C (180-128974-48), SSHS-IRM5A2-A1-A25C (180-128974-51), SSHS-IRM5A2-A1-A26C (180-128974-54) and its matrix spikes, SSHS-IRM5A2-A1-A27C (180-128974-57), SSHS-IRM5A2-A1-A12C (180-128974-64), SSHS-IRM5A2-A1-A14C (180-128974-65), SSHS-IRM5A2-A1-A15C (180-128974-66) and its matrix spikes. Elevated reporting limits (RLs) are provided.

Method 8270D LL: The following sample was diluted due to the nature of the sample matrix: SSHS-IRM5A2-A1-DUP1C (180-128974-60). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A26C (180-128974-54) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A20C (180-128974-33) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A12C (180-128974-64) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

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

GC Semi VOA
Method 8082A: The matrix spike (MS) of sample SSHS-IRM5A2-A1-A20C (180-128974-33) had the recovery of aroclor 1260 below the control limits. The RPD between the spikes was also above the control limits for aroclor 1260. The recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

Method 8082A: The continuing calibration verifications (CCV) analyzed in batch 180-377618 (CCVIS 180-377618/5, CCVIS 180-377618/26, and CCVIS 180-377618/47) were below criteria for aroclor 1260 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377769 (CCVIS 180-377769/5) was below criteria for aroclor 1260 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

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

Metals
Method 6010C: The following sample was diluted nickel and lead due to the concentration of iron being over the instrument's linear range and iron inter-element corrections existing on nickel and lead: SSHS-IRM5A2-A1-A25C (180-128974-51). Elevated reporting limits (RLs) are provided.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A20C (180-128974-33) had the recoveries of manganese and/or zinc above the control limits. The RPD between the spikes was also above the control limits for barium and manganese. The recoveries of the laboratory control sample were within the control limits.

Job ID: 180-128974-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

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

General Chemistry

Method 7196A: The ICV & ICB (ICV 180-377047/72) and (ICB 180-377047/73) are listed at end of batch 377047; however the analyst noted in the data review checklist that these were analyzed prior to the samples, but were mistakenly not added to the TALS batch in the proper sequence. They were added at the end of the batch and met all QC criteria.

Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-IRM5A2-A1-A31A (180-128974-31) was above the control limits for percent moisture, but within the control limits for percent solids.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

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

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

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

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

Sample Summary

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

Job ID: 180-128974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128974-1	SSHS-IRM5A2-A1-A10A	Solid	10/25/21 08:10	10/26/21 10:00
180-128974-2	SSHS-IRM5A2-A1-A10B	Solid	10/25/21 08:11	10/26/21 10:00
180-128974-3	SSHS-IRM5A2-A1-A10C	Solid	10/23/21 10:50	10/26/21 10:00
180-128974-4	SSHS-IRM5A2-A1-A11A	Solid	10/25/21 08:17	10/26/21 10:00
180-128974-5	SSHS-IRM5A2-A1-A11B	Solid	10/25/21 08:18	10/26/21 10:00
180-128974-6	SSHS-IRM5A2-A1-A11C	Solid	10/23/21 11:00	10/26/21 10:00
180-128974-7	SSHS-IRM5A2-A1-A12A	Solid	10/25/21 08:30	10/26/21 10:00
180-128974-8	SSHS-IRM5A2-A1-A12B	Solid	10/25/21 08:31	10/26/21 10:00
180-128974-9	SSHS-IRM5A2-A1-A12C	Solid	10/23/21 11:30	10/26/21 10:00
180-128974-10	SSHS-IRM5A2-A1-A13A	Solid	10/25/21 08:32	10/26/21 10:00
180-128974-11	SSHS-IRM5A2-A1-A13B	Solid	10/25/21 08:33	10/26/21 10:00
180-128974-12	SSHS-IRM5A2-A1-A13C	Solid	10/23/21 11:45	10/26/21 10:00
180-128974-13	SSHS-IRM5A2-A1-A14A	Solid	10/25/21 08:55	10/26/21 10:00
180-128974-14	SSHS-IRM5A2-A1-A14B	Solid	10/25/21 08:56	10/26/21 10:00
180-128974-15	SSHS-IRM5A2-A1-A14C	Solid	10/23/21 12:00	10/26/21 10:00
180-128974-16	SSHS-IRM5A2-A1-A15A	Solid	10/25/21 08:57	10/26/21 10:00
180-128974-17	SSHS-IRM5A2-A1-A15B	Solid	10/25/21 08:58	10/26/21 10:00
180-128974-18	SSHS-IRM5A2-A1-A15C	Solid	10/23/21 14:00	10/26/21 10:00
180-128974-19	SSHS-IRM5A2-A1-A16A	Solid	10/25/21 09:49	10/26/21 10:00
180-128974-20	SSHS-IRM5A2-A1-A16B	Solid	10/25/21 09:50	10/26/21 10:00
180-128974-21	SSHS-IRM5A2-A1-A16C	Solid	10/24/21 09:35	10/26/21 10:00
180-128974-22	SSHS-IRM5A2-A1-A17A	Solid	10/25/21 09:18	10/26/21 10:00
180-128974-23	SSHS-IRM5A2-A1-A17B	Solid	10/25/21 09:19	10/26/21 10:00
180-128974-24	SSHS-IRM5A2-A1-A17C	Solid	10/24/21 09:55	10/26/21 10:00
180-128974-25	SSHS-IRM5A2-A1-A18A	Solid	10/25/21 10:05	10/26/21 10:00
180-128974-26	SSHS-IRM5A2-A1-A18B	Solid	10/25/21 10:06	10/26/21 10:00
180-128974-27	SSHS-IRM5A2-A1-A18C	Solid	10/24/21 10:25	10/26/21 10:00
180-128974-28	SSHS-IRM5A2-A1-A19A	Solid	10/25/21 10:15	10/26/21 10:00
180-128974-29	SSHS-IRM5A2-A1-A19B	Solid	10/25/21 10:16	10/26/21 10:00
180-128974-30	SSHS-IRM5A2-A1-A19C	Solid	10/24/21 11:40	10/26/21 10:00
180-128974-31	SSHS-IRM5A2-A1-A20A	Solid	10/25/21 10:24	10/26/21 10:00
180-128974-32	SSHS-IRM5A2-A1-A20B	Solid	10/25/21 10:25	10/26/21 10:00
180-128974-33	SSHS-IRM5A2-A1-A20C	Solid	10/24/21 11:40	10/26/21 10:00
180-128974-34	SSHS-IRM5A2-A1-A21A	Solid	10/25/21 10:44	10/26/21 10:00
180-128974-35	SSHS-IRM5A2-A1-A21B	Solid	10/25/21 10:45	10/26/21 10:00
180-128974-36	SSHS-IRM5A2-A1-A21C	Solid	10/24/21 13:30	10/26/21 10:00
180-128974-37	SSHS-IRM5A2-A1-A22A	Solid	10/25/21 12:00	10/26/21 10:00
180-128974-38	SSHS-IRM5A2-A1-A22B	Solid	10/25/21 12:01	10/26/21 10:00
180-128974-39	SSHS-IRM5A2-A1-A22C	Solid	10/24/21 13:45	10/26/21 10:00
180-128974-40	SSHS-IRM5A2-A1-DUP2A	Solid	10/25/21 11:09	10/26/21 10:00
180-128974-41	SSHS-IRM5A2-A1-DUP2B	Solid	10/25/21 11:10	10/26/21 10:00
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Solid	10/24/21 13:45	10/26/21 10:00
180-128974-43	SSHS-IRM5A2-A1-A23A	Solid	10/25/21 11:34	10/26/21 10:00
180-128974-44	SSHS-IRM5A2-A1-A23B	Solid	10/25/21 11:35	10/26/21 10:00
180-128974-45	SSHS-IRM5A2-A1-A23C	Solid	10/24/21 14:35	10/26/21 10:00
180-128974-46	SSHS-IRM5A2-A1-A24A	Solid	10/25/21 12:24	10/26/21 10:00
180-128974-47	SSHS-IRM5A2-A1-A24B	Solid	10/25/21 12:25	10/26/21 10:00
180-128974-48	SSHS-IRM5A2-A1-A24C	Solid	10/24/21 14:50	10/26/21 10:00
180-128974-49	SSHS-IRM5A2-A1-A25A	Solid	10/25/21 12:01	10/26/21 10:00
180-128974-50	SSHS-IRM5A2-A1-A25B	Solid	10/25/21 12:02	10/26/21 10:00
180-128974-51	SSHS-IRM5A2-A1-A25C	Solid	10/24/21 15:10	10/26/21 10:00
180-128974-52	SSHS-IRM5A2-A1-A26A	Solid	10/25/21 12:39	10/26/21 10:00
180-128974-53	SSHS-IRM5A2-A1-A26B	Solid	10/25/21 12:40	10/26/21 10:00
180-128974-54	SSHS-IRM5A2-A1-A26C	Solid	10/24/21 15:30	10/26/21 10:00

Sample Summary

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

Job ID: 180-128974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128974-55	SSHS-IRM5A2-A1-A27A	Solid	10/27/21 14:20	10/28/21 10:00
180-128974-56	SSHS-IRM5A2-A1-A27B	Solid	10/25/21 13:00	10/26/21 10:00
180-128974-57	SSHS-IRM5A2-A1-A27C	Solid	10/24/21 16:00	10/26/21 10:00
180-128974-58	SSHS-IRM5A2-A1-DUP1A	Solid	10/25/21 09:17	10/26/21 10:00
180-128974-59	SSHS-IRM5A2-A1-DUP1B	Solid	10/25/21 09:18	10/26/21 10:00
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Solid	10/23/21 10:55	10/26/21 10:00
180-128974-61	SSHS-IRM5A2-A1-A28A	Solid	10/25/21 16:41	10/26/21 10:00
180-128974-62	SSHS-IRM5A2-A1-A28B	Solid	10/25/21 16:42	10/26/21 10:00
180-128974-63	SSHS-IRM5A2-A1-A28C	Solid	10/25/21 16:40	10/26/21 10:00
180-128974-64	SSHS-IRM5A2-A1-A12C	Solid	10/27/21 14:30	10/28/21 10:00
180-128974-65	SSHS-IRM5A2-A1-A14C	Solid	10/27/21 14:50	10/28/21 10:00
180-128974-66	SSHS-IRM5A2-A1-A15C	Solid	10/27/21 14:40	10/28/21 10:00

Method Summary

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

Job ID: 180-128974-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
D 2216	Percent Moisture	ASTM	TAL SAC
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

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

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A10A
Lab Sample ID: 180-128974-1
Date Collected: 10/25/21 08:10
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A10A
Lab Sample ID: 180-128974-1
Date Collected: 10/25/21 08:10
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2768 g	5 mL	376684	10/27/21 06:53	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376667	10/27/21 17:24	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		5.9989 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	376795	10/28/21 11:00	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A10B
Lab Sample ID: 180-128974-2
Date Collected: 10/25/21 08:11
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A10B
Lab Sample ID: 180-128974-2
Date Collected: 10/25/21 08:11
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7436 g	5 mL	376684	10/27/21 06:53	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376667	10/27/21 17:50	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A10C
Lab Sample ID: 180-128974-3
Date Collected: 10/23/21 10:50
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376893	10/28/21 15:01	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A10C

Lab Sample ID: 180-128974-3
Date Collected: 10/23/21 10:50
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376996	10/29/21 18:21	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 20:55	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.40 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.69 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:47	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:03	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:21	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A11A

Lab Sample ID: 180-128974-4
Date Collected: 10/25/21 08:17
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A11A

Lab Sample ID: 180-128974-4
Date Collected: 10/25/21 08:17
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2809 g	5 mL	376684	10/27/21 06:53	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376667	10/27/21 18:15	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A11B

Lab Sample ID: 180-128974-5
Date Collected: 10/25/21 08:18
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A11B

Lab Sample ID: 180-128974-5
Date Collected: 10/25/21 08:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7516 g	5 mL	376684	10/27/21 06:53	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376667	10/27/21 18:40	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A11C

Lab Sample ID: 180-128974-6
Date Collected: 10/23/21 11:00
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A11C

Lab Sample ID: 180-128974-6
Date Collected: 10/23/21 11:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376996	10/29/21 18:43	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 21:14	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.25 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.76 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:48	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:04	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:23	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A12A

Lab Sample ID: 180-128974-7
Date Collected: 10/25/21 08:30
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A12A
Lab Sample ID: 180-128974-7
Date Collected: 10/25/21 08:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3795 g	5 mL	376684	10/27/21 06:53	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376667	10/27/21 19:05	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A12B
Lab Sample ID: 180-128974-8
Date Collected: 10/25/21 08:31
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A12B
Lab Sample ID: 180-128974-8
Date Collected: 10/25/21 08:31
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1105 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 11:26	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A12C
Lab Sample ID: 180-128974-9
Date Collected: 10/23/21 11:30
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			537568	10/27/21 11:42	TCS	TAL SAC
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A13A
Lab Sample ID: 180-128974-10
Date Collected: 10/25/21 08:32
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A13A
Lab Sample ID: 180-128974-10
Date Collected: 10/25/21 08:32
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2889 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 11:51	C1K	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A13B
Date Collected: 10/25/21 08:33
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A13B
Date Collected: 10/25/21 08:33
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-11
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3514 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 12:17	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A13C
Date Collected: 10/23/21 11:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A13C
Date Collected: 10/23/21 11:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-12
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	376996	10/29/21 19:05	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1.0 mL	377618	11/04/21 21:32	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.29 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:31	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:49	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:05	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:24	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A14A — Lab Sample ID: 180-128974-13
Date Collected: 10/25/21 08:55 — **Matrix: Solid**
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A14A — Lab Sample ID: 180-128974-13
Date Collected: 10/25/21 08:55 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 80.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1815 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 13:33	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		5.8686 g	5 mL	377150	11/01/21 07:04	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	377125	11/01/21 19:33	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A14B — Lab Sample ID: 180-128974-14
Date Collected: 10/25/21 08:56 — **Matrix: Solid**
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A14B — Lab Sample ID: 180-128974-14
Date Collected: 10/25/21 08:56 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 83.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5225 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 13:58	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A14C — Lab Sample ID: 180-128974-15
Date Collected: 10/23/21 12:00 — **Matrix: Solid**
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			537568	10/27/21 11:42	TCS	TAL SAC
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A15A — Lab Sample ID: 180-128974-16
Date Collected: 10/25/21 08:57 — **Matrix: Solid**
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A15A
Lab Sample ID: 180-128974-16
Date Collected: 10/25/21 08:57
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6335 g	5 mL	377656	11/04/21 07:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377560	11/04/21 17:14	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A15B
Lab Sample ID: 180-128974-17
Date Collected: 10/25/21 08:58
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A15B
Lab Sample ID: 180-128974-17
Date Collected: 10/25/21 08:58
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3956 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 14:49	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A15C
Lab Sample ID: 180-128974-18
Date Collected: 10/23/21 14:00
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			537568	10/27/21 11:42	TCS	TAL SAC
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A16A
Lab Sample ID: 180-128974-19
Date Collected: 10/25/21 09:49
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A16A
Lab Sample ID: 180-128974-19
Date Collected: 10/25/21 09:49
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5505 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 15:14	C1K	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A16B
Date Collected: 10/25/21 09:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A16B
Date Collected: 10/25/21 09:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-20
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9998 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 15:40	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		5.8948 g	5 mL	377656	11/04/21 07:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	377560	11/04/21 16:49	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A16C
Date Collected: 10/24/21 09:35
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A16C
Date Collected: 10/24/21 09:35
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-21
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	376996	10/29/21 19:27	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 21:51	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.50 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:36	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:50	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:06	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A16C
Lab Sample ID: 180-128974-21
Date Collected: 10/24/21 09:35
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9010C			0.25 g	10 mL	377504	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:26	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A17A
Lab Sample ID: 180-128974-22
Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A17A
Lab Sample ID: 180-128974-22
Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9465 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 16:05	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A17B
Lab Sample ID: 180-128974-23
Date Collected: 10/25/21 09:19
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A17B
Lab Sample ID: 180-128974-23
Date Collected: 10/25/21 09:19
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1347 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 16:31	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A17C
Lab Sample ID: 180-128974-24
Date Collected: 10/24/21 09:55
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A17C

Lab Sample ID: 180-128974-24
Date Collected: 10/24/21 09:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	376996	10/29/21 19:50	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 22:10	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.40 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:41	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.69 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:53	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:07	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:38	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A18A

Lab Sample ID: 180-128974-25
Date Collected: 10/25/21 10:05
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A18A

Lab Sample ID: 180-128974-25
Date Collected: 10/25/21 10:05
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5868 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 16:56	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		5.2028 g	5 mL	377656	11/04/21 07:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	377560	11/04/21 17:40	SW1	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A18B
Date Collected: 10/25/21 10:06
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377257	11/01/21 17:30	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A18B
Date Collected: 10/25/21 10:06
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-26
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9975 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 17:22	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A18C
Date Collected: 10/24/21 10:25
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A18C
Date Collected: 10/24/21 10:25
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-27
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	376996	10/29/21 20:12	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 22:29	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.46 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:45	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:54	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:10	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:40	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A19A
Lab Sample ID: 180-128974-28
Date Collected: 10/25/21 10:15
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A19A
Lab Sample ID: 180-128974-28
Date Collected: 10/25/21 10:15
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9923 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 17:47	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A19B
Lab Sample ID: 180-128974-29
Date Collected: 10/25/21 10:16
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A19B
Lab Sample ID: 180-128974-29
Date Collected: 10/25/21 10:16
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5929 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 18:38	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A19C
Lab Sample ID: 180-128974-30
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A19C
Lab Sample ID: 180-128974-30
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	376996	10/29/21 20:34	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A19C

Lab Sample ID: 180-128974-30
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 22:47	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.64 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 19:59	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:55	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:11	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:42	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A20A

Lab Sample ID: 180-128974-31
Date Collected: 10/25/21 10:24
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A20A

Lab Sample ID: 180-128974-31
Date Collected: 10/25/21 10:24
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0008 g	5 mL	376820	10/28/21 06:51	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376795	10/28/21 19:03	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A20B

Lab Sample ID: 180-128974-32
Date Collected: 10/25/21 10:25
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A20B

Lab Sample ID: 180-128974-32
Date Collected: 10/25/21 10:25
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1092 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 13:36	APD	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		6.5738 g	5 mL	377150	11/01/21 07:04	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	377125	11/01/21 19:08	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A20C

Lab Sample ID: 180-128974-33
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A20C

Lab Sample ID: 180-128974-33
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	376996	10/29/21 16:08	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 19:59	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.28 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 13:53	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.28 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 11:11	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:56	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 15:57	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:44	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A21A
Date Collected: 10/25/21 10:44
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A21A
Date Collected: 10/25/21 10:44
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-34
Matrix: Solid
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5622 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 14:46	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A21B
Date Collected: 10/25/21 10:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A21B
Date Collected: 10/25/21 10:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-35
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4139 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 15:09	APD	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		5.0451 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	376951	10/29/21 13:29	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A21C
Date Collected: 10/24/21 13:30
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A21C

Lab Sample ID: 180-128974-36
Date Collected: 10/24/21 13:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		15	1 mL	1 mL	376996	10/29/21 20:56	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 23:06	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.55 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.72 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:00	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:12	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:49	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A22A

Lab Sample ID: 180-128974-37
Date Collected: 10/25/21 12:00
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A22A

Lab Sample ID: 180-128974-37
Date Collected: 10/25/21 12:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5737 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 15:32	APD	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		6.2861 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	376951	10/29/21 13:52	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A22B
Lab Sample ID: 180-128974-38
Date Collected: 10/25/21 12:01
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A22B
Lab Sample ID: 180-128974-38
Date Collected: 10/25/21 12:01
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2233 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 15:56	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A22C
Lab Sample ID: 180-128974-39
Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A22C
Lab Sample ID: 180-128974-39
Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		15	1 mL	1 mL	376996	10/29/21 21:18	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 23:25	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.63 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:12	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:01	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:13	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:51	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-DUP2A
Lab Sample ID: 180-128974-40
Date Collected: 10/25/21 11:09
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP2A
Lab Sample ID: 180-128974-40
Date Collected: 10/25/21 11:09
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3886 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 18:38	APD	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		4.5468 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	376951	10/29/21 15:03	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-DUP2B
Lab Sample ID: 180-128974-41
Date Collected: 10/25/21 11:10
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP2B
Lab Sample ID: 180-128974-41
Date Collected: 10/25/21 11:10
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8366 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376951	10/29/21 14:39	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-DUP2C
Lab Sample ID: 180-128974-42
Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP2C

Lab Sample ID: 180-128974-42

Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		15	1 mL	1 mL	376996	10/29/21 21:41	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 23:43	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.46 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:02	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:15	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:52	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A23A

Lab Sample ID: 180-128974-43

Date Collected: 10/25/21 11:34
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A23A

Lab Sample ID: 180-128974-43

Date Collected: 10/25/21 11:34
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2835 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 16:19	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A23B

Lab Sample ID: 180-128974-44

Date Collected: 10/25/21 11:35
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A23B
Lab Sample ID: 180-128974-44
Date Collected: 10/25/21 11:35
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4291 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 16:42	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A23C
Lab Sample ID: 180-128974-45
Date Collected: 10/24/21 14:35
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A23C
Lab Sample ID: 180-128974-45
Date Collected: 10/24/21 14:35
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	376996	10/29/21 22:03	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/05/21 00:02	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.38 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.69 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:03	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:16	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:54	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A24A
Lab Sample ID: 180-128974-46
Date Collected: 10/25/21 12:24
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A24A
Lab Sample ID: 180-128974-46
Date Collected: 10/25/21 12:24
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.4128 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 17:06	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A24B
Lab Sample ID: 180-128974-47
Date Collected: 10/25/21 12:25
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A24B
Lab Sample ID: 180-128974-47
Date Collected: 10/25/21 12:25
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6449 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 17:53	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A24C
Lab Sample ID: 180-128974-48
Date Collected: 10/24/21 14:50
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A24C
Lab Sample ID: 180-128974-48
Date Collected: 10/24/21 14:50
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	376996	10/29/21 22:25	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377069	10/30/21 00:40	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/05/21 00:21	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.40 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:26	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A24C
Lab Sample ID: 180-128974-48
Date Collected: 10/24/21 14:50
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:06	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:17	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 12:59	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A25A
Lab Sample ID: 180-128974-49
Date Collected: 10/25/21 12:01
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A25A
Lab Sample ID: 180-128974-49
Date Collected: 10/25/21 12:01
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6363 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 17:29	APD	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		5.8395 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	376951	10/29/21 14:16	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A25B
Lab Sample ID: 180-128974-50
Date Collected: 10/25/21 12:02
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A25B
Lab Sample ID: 180-128974-50
Date Collected: 10/25/21 12:02
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3428 g	5 mL	377141	11/01/21 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377119	11/01/21 14:04	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A25C
Date Collected: 10/24/21 15:10
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A25C
Date Collected: 10/24/21 15:10
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-51
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	376908	10/28/21 19:39	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	376996	10/29/21 22:47	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377069	10/30/21 00:41	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/05/21 00:40	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.35 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:31	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.35 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		2			377272	11/01/21 13:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:07	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:18	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:01	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A26A
Date Collected: 10/25/21 12:39
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A26A
Date Collected: 10/25/21 12:39
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-52
Matrix: Solid
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1869 g	5 mL	377141	11/01/21 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377119	11/01/21 13:41	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A26B
Date Collected: 10/25/21 12:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A26B
Date Collected: 10/25/21 12:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-53
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3336 g	5 mL	377141	11/01/21 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377119	11/01/21 13:18	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A26C
Date Collected: 10/24/21 15:30
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A26C
Date Collected: 10/24/21 15:30
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-54
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	376767	10/27/21 18:44	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	376825	10/28/21 11:58	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377069	10/30/21 00:41	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/05/21 01:36	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.43 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:44	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A26C

Lab Sample ID: 180-128974-54
Date Collected: 10/24/21 15:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.65 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:08	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:19	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:03	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A27A

Lab Sample ID: 180-128974-55
Date Collected: 10/27/21 14:20
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377260	11/01/21 18:01	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A27A

Lab Sample ID: 180-128974-55
Date Collected: 10/27/21 14:20
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0725 g	5 mL	377440	11/03/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377418	11/03/21 09:56	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A27B

Lab Sample ID: 180-128974-56
Date Collected: 10/25/21 13:00
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377262	11/01/21 18:39	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A27B

Lab Sample ID: 180-128974-56
Date Collected: 10/25/21 13:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6201 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376951	10/29/21 16:36	APD	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A27C
Date Collected: 10/24/21 16:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377259	11/01/21 17:44	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A27C
Date Collected: 10/24/21 16:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-57
Matrix: Solid
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	376767	10/27/21 18:44	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376825	10/28/21 13:04	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541	DL		15.1 g	0.5 mL	376767	10/27/21 18:44	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL	DL	4	1 mL	1 mL	376805	10/28/21 18:57	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	377069	10/30/21 00:41	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377635	11/04/21 11:15	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377637	11/04/21 11:17	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/05/21 01:54	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.48 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:49	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.82 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:09	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.55 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:20	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:05	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-DUP1A
Date Collected: 10/25/21 09:17
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377262	11/01/21 18:39	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-DUP1A
Lab Sample ID: 180-128974-58
Date Collected: 10/25/21 09:17
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.8235 g	5 mL	376881	10/28/21 05:59	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376815	10/28/21 19:25	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-DUP1B
Lab Sample ID: 180-128974-59
Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377262	11/01/21 18:39	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP1B
Lab Sample ID: 180-128974-59
Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.991 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376951	10/29/21 15:26	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	376767	10/27/21 18:44	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	376825	10/28/21 13:26	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	376911	11/03/21 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377615	11/04/21 10:06	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377616	11/04/21 10:07	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 13:07	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.27 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:54	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-DUP1C

Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.74 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:10	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:23	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:06	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A28A

Lab Sample ID: 180-128974-61
Date Collected: 10/25/21 16:41
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377262	11/01/21 18:39	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A28A

Lab Sample ID: 180-128974-61
Date Collected: 10/25/21 16:41
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.9831 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376951	10/29/21 16:12	APD	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A28B

Lab Sample ID: 180-128974-62
Date Collected: 10/25/21 16:42
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377262	11/01/21 18:39	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A28B

Lab Sample ID: 180-128974-62
Date Collected: 10/25/21 16:42
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.5481 g	5 mL	377033	10/29/21 07:14	APD	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	376951	10/29/21 15:49	APD	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A28C
Lab Sample ID: 180-128974-63
Date Collected: 10/25/21 16:40
Matrix: Solid
Date Received: 10/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			376891	10/28/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A28C
Lab Sample ID: 180-128974-63
Date Collected: 10/25/21 16:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	376767	10/27/21 18:44	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	376825	10/28/21 13:48	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	376911	11/03/21 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377615	11/04/21 10:06	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377616	11/04/21 10:07	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377618	11/04/21 14:03	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.61 g	100 mL	376829	10/28/21 09:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377111	10/29/21 20:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.73 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:11	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	376841	10/28/21 11:00	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377047	10/29/21 16:24	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:08	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A12C
Lab Sample ID: 180-128974-64
Date Collected: 10/27/21 14:30
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377259	11/01/21 17:44	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A12C
Lab Sample ID: 180-128974-64
Date Collected: 10/27/21 14:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		3	1 mL	1 mL	377325	11/02/21 12:24	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A12C
Lab Sample ID: 180-128974-64
Date Collected: 10/27/21 14:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 11:46	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.16 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 14:56	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.16 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:03	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.90 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:12	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:41	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:10	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A14C
Lab Sample ID: 180-128974-65
Date Collected: 10/27/21 14:50
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377259	11/01/21 17:44	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A14C
Lab Sample ID: 180-128974-65
Date Collected: 10/27/21 14:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	377325	11/02/21 13:29	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 12:42	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.08 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:00	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A14C

Lab Sample ID: 180-128974-65

Date Collected: 10/27/21 14:50
Date Received: 10/28/21 10:00

Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.66 g	100 mL	377134	11/01/21 07:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 13:13	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:42	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:11	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A15C

Lab Sample ID: 180-128974-66

Date Collected: 10/27/21 14:40
Date Received: 10/28/21 10:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377259	11/01/21 17:44	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A15C

Lab Sample ID: 180-128974-66

Date Collected: 10/27/21 14:40
Date Received: 10/28/21 10:00

Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	377325	11/02/21 13:50	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 13:00	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.13 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:05	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.13 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:12	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:18	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:43	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A15C
Date Collected: 10/27/21 14:40
Date Received: 10/28/21 10:00

Lab Sample ID: 180-128974-66
Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9010C			0.24 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:13	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

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

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

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

APD = Aaron DeLeo
CBY = Charles Yushinski
CMR = Carl Reagle
CSC = Chayce Cockroft
CTM = Connor Mitsch
J1T = Jianwu Tang
KEM = Kimberly Mahoney
KLG = Kathy Gordon
PJJ = Patrick Journet
PMH = Paloma Hoelzle
RGM = Rebecca Manns
RJR = Ron Rosenbaum

Batch Type: Analysis

APD = Aaron DeLeo
C1K = Chamaiporn Krisorn
CMR = Carl Reagle
CMT = Cassandra Tlumac
DFE = David Eppinger
ELS = Edwin Shireman
KLG = Kathy Gordon
KMM = Kendric Moore
PMH = Paloma Hoelzle
RJG = Rob Good
RJR = Ron Rosenbaum
SW1 = Sunan Wang-un
VVP = Vincent Piccolino

Lab: TAL SAC

Batch Type: Analysis

TCS = Tammy Saechao

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A10A

Date Collected: 10/25/21 08:10
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-1

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,4-Dioxane	ND		1.1	0.041	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Methylene Chloride	ND		0.0057	0.0052	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1
Xylenes, Total	ND		0.011	0.0083	mg/Kg	☼	10/27/21 06:53	10/27/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*46*	*S1-*	*60 - 124*	*10/27/21 06:53*	*10/27/21 17:24*	*1*
Dibromofluoromethane (Surr)	*63*	*S1-*	*69 - 126*	*10/27/21 06:53*	*10/27/21 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*59*	*S1-*	*73 - 135*	*10/27/21 06:53*	*10/27/21 17:24*	*1*
Toluene-d8 (Surr)	*58*	*S1-*	*67 - 134*	*10/27/21 06:53*	*10/27/21 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
2-Butanone (MEK)	ND		0.0050	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1

Client Sample ID: SSHS-IRM5A2-A1-A10A
Lab Sample ID: 180-128974-1
Date Collected: 10/25/21 08:10 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 82.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0050	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Toluene	ND		0.0050	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	10/28/21 06:51	10/28/21 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*	*S1-*	*60 - 124*	*10/28/21 06:51*	*10/28/21 11:00*	*1*
Dibromofluoromethane (Surr)	*63*	*S1-*	*69 - 126*	*10/28/21 06:51*	*10/28/21 11:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*60*	*S1-*	*73 - 135*	*10/28/21 06:51*	*10/28/21 11:00*	*1*
Toluene-d8 (Surr)	*56*	*S1-*	*67 - 134*	*10/28/21 06:51*	*10/28/21 11:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.3**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**82.7**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A10B
Lab Sample ID: 180-128974-2
Date Collected: 10/25/21 08:11 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 82.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0050	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Benzene	ND		0.0064	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
2-Butanone (MEK)	ND		0.0064	0.0032	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Carbon tetrachloride	ND		0.0064	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Chlorobenzene	ND		0.0064	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Chloroform	ND		0.0064	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
cis-1,2-Dichloroethene	ND		0.0064	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,2-Dichlorobenzene	ND		0.0064	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,3-Dichlorobenzene	ND		0.0064	0.0039	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,4-Dichlorobenzene	ND		0.0064	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,1-Dichloroethane	ND		0.0064	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,2-Dichloroethane	ND		0.0064	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,1-Dichloroethene	ND		0.0064	0.0029	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1

Client Sample ID: SSHS-IRM5A2-A1-A10B

Lab Sample ID: 180-128974-2
Date Collected: 10/25/21 08:11
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.3	0.045	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Ethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Methylene Chloride	ND		0.0064	0.0058	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Methyl tert-butyl ether	ND		0.0064	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
n-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
N-Propylbenzene	ND		0.0064	0.0023	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
sec-Butylbenzene	ND		0.0064	0.0031	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
tert-Butylbenzene	ND		0.0064	0.0027	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Tetrachloroethene	ND		0.0064	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Toluene	ND		0.0064	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
trans-1,2-Dichloroethene	ND		0.0064	0.0022	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,1,1-Trichloroethane	ND		0.0064	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Trichloroethene	ND		0.0064	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0022	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Vinyl chloride	ND		0.0064	0.0046	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1
Xylenes, Total	ND		0.013	0.0092	mg/Kg	☼	10/27/21 06:53	10/27/21 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*10/27/21 06:53*	*10/27/21 17:50*	*1*
Dibromofluoromethane (Surr)	*124*		*69 - 126*	*10/27/21 06:53*	*10/27/21 17:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*10/27/21 06:53*	*10/27/21 17:50*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*10/27/21 06:53*	*10/27/21 17:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.5**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**82.5**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A10C

Lab Sample ID: 180-128974-3
Date Collected: 10/23/21 10:50
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0030**	**J**	0.0079	0.0023	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Acenaphthylene	**0.033**		0.0079	0.0017	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Anthracene	**0.026**		0.0079	0.0020	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Benzo[a]anthracene	**0.097**		0.0079	0.0036	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Benzo[a]pyrene	**0.081**		0.0079	0.0034	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Benzo[b]fluoranthene	**0.14**		0.0079	0.0019	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Benzo[g,h,i]perylene	**0.069**		0.0079	0.0017	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Benzo[k]fluoranthene	**0.040**		0.0079	0.0024	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Chrysene	**0.10**		0.0079	0.0044	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Dibenz(a,h)anthracene	**0.020**		0.0079	0.0050	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Dibenzofuran	ND		0.039	0.015	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
2,4-Dinitrotoluene	ND		0.039	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
1,4-Dioxane	ND		0.079	0.012	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Fluoranthene	**0.12**		0.0079	0.0021	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Fluorene	**0.0044**	**J**	0.0079	0.0015	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1

Client Sample ID: SSHS-IRM5A2-A1-A10C
Date Collected: 10/23/21 10:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-3
Matrix: Solid
Percent Solids: 83.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.0079	0.0028	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Hexachlorobutadiene	ND		0.0079	0.0023	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Indeno[1,2,3-cd]pyrene	**0.064**		0.0079	0.0039	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Methylphenol, 3 & 4	ND		0.039	0.012	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Naphthalene	**0.0084**		0.0079	0.0015	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Nitrobenzene	ND		0.079	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Phenanthrene	**0.041**		0.0079	0.0021	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Phenol	ND		0.039	0.012	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Pyrene	**0.15**		0.0079	0.0019	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
Pyridine	ND		0.079	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	10/28/21 19:39	10/29/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*37 - 107*	*10/28/21 19:39*	*10/29/21 18:21*	*1*
2-Fluorophenol (Surr)	*66*		*38 - 106*	*10/28/21 19:39*	*10/29/21 18:21*	*1*
Nitrobenzene-d5 (Surr)	*69*		*41 - 112*	*10/28/21 19:39*	*10/29/21 18:21*	*1*
Phenol-d5 (Surr)	*69*		*40 - 110*	*10/28/21 19:39*	*10/29/21 18:21*	*1*
Terphenyl-d14 (Surr)	*82*		*32 - 115*	*10/28/21 19:39*	*10/29/21 18:21*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*22 - 116*	*10/28/21 19:39*	*10/29/21 18:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1248	**0.62**		0.020	0.0048	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1254	**0.25**		0.020	0.0059	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1260	**0.055**		0.020	0.0056	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	10/30/21 00:40	11/04/21 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*31 - 150*	*10/30/21 00:40*	*11/04/21 20:55*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*31 - 150*	*10/30/21 00:40*	*11/04/21 20:55*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*20 - 150*	*10/30/21 00:40*	*11/04/21 20:55*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*20 - 150*	*10/30/21 00:40*	*11/04/21 20:55*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.86	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Barium	**87**		17	0.92	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Beryllium	**0.37**		0.34	0.020	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Cadmium	ND		0.43	0.031	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Chromium	**11**		0.43	0.35	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Copper	**23**		2.1	2.0	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1

Client Sample ID: SSHS-IRM5A2-A1-A10C
Lab Sample ID: 180-128974-3
Date Collected: 10/23/21 10:50 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**15**		0.86	0.44	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Manganese	**450**		1.3	0.35	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Nickel	**15**		3.4	0.21	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Selenium	ND		0.86	0.44	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Silver	ND		0.43	0.090	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1
Zinc	**54**		1.7	1.4	mg/Kg	☼	10/28/21 09:41	10/29/21 19:22	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	11/01/21 07:55	11/02/21 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.5**		0.1	0.1	%			10/28/21 15:01	1
Percent Solids	**83.5**		0.1	0.1	%			10/28/21 15:01	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 16:03	1
Cyanide, Total	**0.72**		0.60	0.33	mg/Kg	☼	11/03/21 16:45	11/04/21 12:21	1

Client Sample ID: SSHS-IRM5A2-A1-A11A
Lab Sample ID: 180-128974-4
Date Collected: 10/25/21 08:17 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 85.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1

Client Sample ID: SSHS-IRM5A2-A1-A11A
Lab Sample ID: 180-128974-4
Date Collected: 10/25/21 08:17 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 85.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/27/21 06:53	10/27/21 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*10/27/21 06:53*	*10/27/21 18:15*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*10/27/21 06:53*	*10/27/21 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*10/27/21 06:53*	*10/27/21 18:15*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*10/27/21 06:53*	*10/27/21 18:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.1**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**85.9**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A11B
Lab Sample ID: 180-128974-5
Date Collected: 10/25/21 08:18 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 86.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
2-Butanone (MEK)	ND		0.0050	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1

Client Sample ID: SSHS-IRM5A2-A1-A11B
Lab Sample ID: 180-128974-5
Date Collected: 10/25/21 08:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	10/27/21 06:53	10/27/21 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*60 - 124*	*10/27/21 06:53*	*10/27/21 18:40*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*	*10/27/21 06:53*	*10/27/21 18:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*10/27/21 06:53*	*10/27/21 18:40*	*1*
Toluene-d8 (Surr)	*74*		*67 - 134*	*10/27/21 06:53*	*10/27/21 18:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.6**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**86.4**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A11C
Lab Sample ID: 180-128974-6
Date Collected: 10/23/21 11:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0033**	**J**	0.0074	0.0021	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Acenaphthylene	**0.033**		0.0074	0.0016	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Anthracene	**0.025**		0.0074	0.0019	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Benzo[a]anthracene	**0.083**		0.0074	0.0033	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Benzo[a]pyrene	**0.078**		0.0074	0.0032	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Benzo[b]fluoranthene	**0.13**		0.0074	0.0018	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Benzo[g,h,i]perylene	**0.068**		0.0074	0.0016	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Benzo[k]fluoranthene	**0.038**		0.0074	0.0022	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Chrysene	**0.092**		0.0074	0.0041	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Dibenz(a,h)anthracene	**0.020**		0.0074	0.0047	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Fluoranthene	**0.10**		0.0074	0.0020	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Fluorene	**0.0048**	**J**	0.0074	0.0015	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Indeno[1,2,3-cd]pyrene	**0.064**		0.0074	0.0037	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Naphthalene	**0.011**		0.0074	0.0014	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Phenanthrene	**0.036**		0.0074	0.0020	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Phenol	ND		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Pyrene	**0.14**		0.0074	0.0018	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	10/28/21 19:39	10/29/21 18:43	1

Client Sample ID: SSHS-IRM5A2-A1-A11C

Date Collected: 10/23/21 11:00
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-6

Matrix: Solid
Percent Solids: 87.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		37 - 107	10/28/21 19:39	10/29/21 18:43	1
2-Fluorophenol (Surr)	65		38 - 106	10/28/21 19:39	10/29/21 18:43	1
Nitrobenzene-d5 (Surr)	68		41 - 112	10/28/21 19:39	10/29/21 18:43	1
Phenol-d5 (Surr)	65		40 - 110	10/28/21 19:39	10/29/21 18:43	1
Terphenyl-d14 (Surr)	84		32 - 115	10/28/21 19:39	10/29/21 18:43	1
2,4,6-Tribromophenol (Surr)	67		22 - 116	10/28/21 19:39	10/29/21 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1248	**2.2**		0.019	0.0046	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1254	**0.92**		0.019	0.0057	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1260	**0.14**		0.019	0.0054	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:40	11/04/21 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	91		31 - 150	10/30/21 00:40	11/04/21 21:14	1
DCB Decachlorobiphenyl (Surr)	96		31 - 150	10/30/21 00:40	11/04/21 21:14	1
Tetrachloro-m-xylene (Surr)	101		20 - 150	10/30/21 00:40	11/04/21 21:14	1
Tetrachloro-m-xylene (Surr)	92		20 - 150	10/30/21 00:40	11/04/21 21:14	1

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		0.91	0.36	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Barium	**62**		18	0.98	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Beryllium	**0.32**	**J**	0.36	0.021	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Cadmium	ND		0.46	0.033	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Chromium	**10**		0.46	0.37	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Copper	**19**		2.3	2.1	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Lead	**17**		0.91	0.47	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Manganese	**370**		1.4	0.37	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Nickel	**14**		3.6	0.23	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Selenium	ND		0.91	0.47	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Silver	ND		0.46	0.096	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1
Zinc	**51**		1.8	1.4	mg/Kg	☼	10/28/21 09:41	10/29/21 19:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.030	0.019	mg/Kg	☼	11/01/21 07:55	11/02/21 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.1**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**87.9**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:04	1
Cyanide, Total	**0.68**		0.52	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 12:23	1

Client Sample ID: SSHS-IRM5A2-A1-A12A

Lab Sample ID: 180-128974-7

Date Collected: 10/25/21 08:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/27/21 06:53	10/27/21 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*10/27/21 06:53*	*10/27/21 19:05*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*10/27/21 06:53*	*10/27/21 19:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*10/27/21 06:53*	*10/27/21 19:05*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*10/27/21 06:53*	*10/27/21 19:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.4**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**89.6**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A12B

Lab Sample ID: 180-128974-8

Date Collected: 10/25/21 08:31
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1

Client Sample ID: SSHS-IRM5A2-A1-A12B

Lab Sample ID: 180-128974-8
Date Collected: 10/25/21 08:31
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	10/28/21 06:51	10/28/21 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*10/28/21 06:51*	*10/28/21 11:26*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*10/28/21 06:51*	*10/28/21 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*10/28/21 06:51*	*10/28/21 11:26*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*10/28/21 06:51*	*10/28/21 11:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.3**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**88.7**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A12C

Lab Sample ID: 180-128974-9
Date Collected: 10/23/21 11:30
Matrix: Solid
Date Received: 10/26/21 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			10/27/21 11:42	1
Percent Solids	**87.2**		0.1	0.1	%			10/27/21 11:42	1

Client Sample ID: SSHS-IRM5A2-A1-A13A

Lab Sample ID: 180-128974-10

Date Collected: 10/25/21 08:32
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0046	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Benzene	ND		0.0059	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
2-Butanone (MEK)	ND		0.0059	0.0030	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Carbon tetrachloride	ND		0.0059	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Chlorobenzene	ND		0.0059	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Chloroform	ND		0.0059	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
cis-1,2-Dichloroethene	ND		0.0059	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,2-Dichlorobenzene	ND		0.0059	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,3-Dichlorobenzene	ND		0.0059	0.0036	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,4-Dichlorobenzene	ND		0.0059	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,1-Dichloroethane	ND		0.0059	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,2-Dichloroethane	ND		0.0059	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,1-Dichloroethene	ND		0.0059	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Ethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Methylene Chloride	ND		0.0059	0.0053	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Methyl tert-butyl ether	ND		0.0059	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
n-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
N-Propylbenzene	ND		0.0059	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
sec-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
tert-Butylbenzene	ND		0.0059	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Tetrachloroethene	ND		0.0059	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Toluene	ND		0.0059	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
trans-1,2-Dichloroethene	ND		0.0059	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,1,1-Trichloroethane	ND		0.0059	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Trichloroethene	ND		0.0059	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
1,3,5-Trimethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Vinyl chloride	ND		0.0059	0.0042	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	10/28/21 06:51	10/28/21 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*10/28/21 06:51*	*10/28/21 11:51*	*1*
Dibromofluoromethane (Surr)	*138*	*S1+*	*69 - 126*	*10/28/21 06:51*	*10/28/21 11:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*10/28/21 06:51*	*10/28/21 11:51*	*1*
Toluene-d8 (Surr)	*127*		*67 - 134*	*10/28/21 06:51*	*10/28/21 11:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19.2**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**80.8**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A13B

Lab Sample ID: 180-128974-11

Date Collected: 10/25/21 08:33
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1

Client Sample ID: SSHS-IRM5A2-A1-A13B

Lab Sample ID: 180-128974-11
Date Collected: 10/25/21 08:33
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,2-Dichloroethane	ND		0.0057	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,4-Dioxane	ND		1.1	0.041	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Methylene Chloride	ND		0.0057	0.0052	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Toluene	ND		0.0057	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1
Xylenes, Total	ND		0.011	0.0083	mg/Kg	☼	10/28/21 06:51	10/28/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*		*60 - 124*	*10/28/21 06:51*	*10/28/21 12:17*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*10/28/21 06:51*	*10/28/21 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*73 - 135*	*10/28/21 06:51*	*10/28/21 12:17*	*1*
Toluene-d8 (Surr)	*70*		*67 - 134*	*10/28/21 06:51*	*10/28/21 12:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.6**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**81.4**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A13C

Lab Sample ID: 180-128974-12
Date Collected: 10/23/21 11:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.020**		0.016	0.0044	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Acenaphthylene	**0.34**		0.016	0.0034	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Anthracene	**0.24**		0.016	0.0040	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Benzo[a]anthracene	**0.87**		0.016	0.0070	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A13C
Date Collected: 10/23/21 11:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-12
Matrix: Solid
Percent Solids: 84.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.71**		0.016	0.0067	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Benzo[b]fluoranthene	**1.2**		0.016	0.0038	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Benzo[g,h,i]perylene	**0.61**		0.016	0.0033	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Benzo[k]fluoranthene	**0.36**		0.016	0.0046	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Chrysene	**0.91**		0.016	0.0086	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Dibenz(a,h)anthracene	**0.18**		0.016	0.0099	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Dibenzofuran	ND		0.076	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
2,4-Dinitrotoluene	ND		0.076	0.046	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
1,4-Dioxane	ND		0.15	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Fluoranthene	**1.1**		0.016	0.0041	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Fluorene	**0.036**		0.016	0.0030	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Hexachlorobenzene	ND		0.016	0.0055	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Hexachlorobutadiene	ND		0.016	0.0045	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Hexachloroethane	ND		0.076	0.027	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Indeno[1,2,3-cd]pyrene	**0.60**		0.016	0.0077	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
2-Methylphenol	ND		0.076	0.022	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Methylphenol, 3 & 4	**0.036**	**J**	0.076	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Naphthalene	**0.075**		0.016	0.0030	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Nitrobenzene	ND		0.15	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Pentachlorophenol	ND		0.39	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Phenanthrene	**0.34**		0.016	0.0041	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Phenol	ND		0.076	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Pyrene	**1.4**		0.016	0.0037	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
Pyridine	ND		0.16	0.042	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
2,4,5-Trichlorophenol	ND		0.076	0.027	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2
2,4,6-Trichlorophenol	ND		0.076	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 19:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*37 - 107*	*10/28/21 19:39*	*10/29/21 19:05*	*2*
2-Fluorophenol (Surr)	*58*		*38 - 106*	*10/28/21 19:39*	*10/29/21 19:05*	*2*
Nitrobenzene-d5 (Surr)	*72*		*41 - 112*	*10/28/21 19:39*	*10/29/21 19:05*	*2*
Phenol-d5 (Surr)	*61*		*40 - 110*	*10/28/21 19:39*	*10/29/21 19:05*	*2*
Terphenyl-d14 (Surr)	*77*		*32 - 115*	*10/28/21 19:39*	*10/29/21 19:05*	*2*
2,4,6-Tribromophenol (Surr)	*61*		*22 - 116*	*10/28/21 19:39*	*10/29/21 19:05*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1221	ND		0.019	0.0069	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1248	**0.041**		0.019	0.0047	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1254	**0.029**		0.019	0.0058	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1260	**0.033**		0.019	0.0055	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	10/30/21 00:40	11/04/21 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*31 - 150*	*10/30/21 00:40*	*11/04/21 21:32*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*31 - 150*	*10/30/21 00:40*	*11/04/21 21:32*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A13C — Lab Sample ID: 180-128974-12

Date Collected: 10/23/21 11:45 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 84.8**

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*94*		*20 - 150*	*10/30/21 00:40*	*11/04/21 21:32*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*20 - 150*	*10/30/21 00:40*	*11/04/21 21:32*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.1**		0.91	0.36	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Barium	**81**		18	0.98	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Beryllium	**0.42**		0.37	0.021	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Cadmium	**0.084**	**J**	0.46	0.033	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Chromium	**11**		0.46	0.38	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Copper	**21**		2.3	2.1	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Lead	**29**		0.91	0.47	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Manganese	**370**		1.4	0.37	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Nickel	**17**		3.7	0.23	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Selenium	**0.92**		0.91	0.47	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Silver	ND		0.46	0.096	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1
Zinc	**55**		1.8	1.4	mg/Kg	☼	10/28/21 09:41	10/29/21 19:31	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.037	0.023	mg/Kg	☼	11/01/21 07:55	11/02/21 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.2**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**84.8**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 16:05	1
Cyanide, Total	**0.56**		0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 12:24	1

Client Sample ID: SSHS-IRM5A2-A1-A14A — Lab Sample ID: 180-128974-13

Date Collected: 10/25/21 08:55 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	0.024	0.0047	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Benzene	ND	*3	0.0060	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
2-Butanone (MEK)	ND	*3	0.0060	0.0030	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Carbon tetrachloride	ND	*3	0.0060	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Chlorobenzene	ND	*3	0.0060	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Chloroform	ND	*3	0.0060	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
cis-1,2-Dichloroethene	ND	*3	0.0060	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,2-Dichlorobenzene	**0.0024**	**J *3**	0.0060	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,3-Dichlorobenzene	ND	*3	0.0060	0.0037	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,4-Dichlorobenzene	**0.0019**	**J *3**	0.0060	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,1-Dichloroethane	ND	*3	0.0060	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,2-Dichloroethane	ND	*3	0.0060	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,1-Dichloroethene	ND	*3	0.0060	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,4-Dioxane	ND	*3	1.2	0.042	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Ethylbenzene	ND	*3	0.0060	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1

Client Sample ID: SSHS-IRM5A2-A1-A14A
Lab Sample ID: 180-128974-13

Date Collected: 10/25/21 08:55 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	*3	0.0060	0.0054	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Methyl tert-butyl ether	ND	*3	0.0060	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
n-Butylbenzene	ND	*3	0.0060	0.0030	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
N-Propylbenzene	ND	*3	0.0060	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
sec-Butylbenzene	ND	*3	0.0060	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
tert-Butylbenzene	ND	*3	0.0060	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Tetrachloroethene	ND	*3	0.0060	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Toluene	ND	*3	0.0060	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
trans-1,2-Dichloroethene	ND	*3	0.0060	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,1,1-Trichloroethane	ND	*3	0.0060	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Trichloroethene	ND	*3	0.0060	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,2,4-Trimethylbenzene	ND	*3	0.0060	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
1,3,5-Trimethylbenzene	ND	*3	0.0060	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Vinyl chloride	ND	*3	0.0060	0.0043	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1
Xylenes, Total	ND	*3	0.012	0.0086	mg/Kg	☼	10/28/21 06:51	10/28/21 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*	*3*	*60 - 124*	*10/28/21 06:51*	*10/28/21 13:33*	*1*
Dibromofluoromethane (Surr)	*117*	*3*	*69 - 126*	*10/28/21 06:51*	*10/28/21 13:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*	*3*	*73 - 135*	*10/28/21 06:51*	*10/28/21 13:33*	*1*
Toluene-d8 (Surr)	*113*	*3*	*67 - 134*	*10/28/21 06:51*	*10/28/21 13:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	0.021	0.0041	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Benzene	ND	*3	0.0053	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
2-Butanone (MEK)	ND	*3	0.0053	0.0027	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Carbon tetrachloride	ND	*3	0.0053	0.0021	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Chloroform	ND	*3	0.0053	0.0017	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
cis-1,2-Dichloroethene	ND	*3	0.0053	0.0016	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,1-Dichloroethane	ND	*3	0.0053	0.0017	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,2-Dichloroethane	ND	*3	0.0053	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,1-Dichloroethene	ND	*3	0.0053	0.0024	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,4-Dioxane	ND	*3	1.1	0.037	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Methylene Chloride	ND	*3	0.0053	0.0048	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Methyl tert-butyl ether	ND	*3	0.0053	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
trans-1,2-Dichloroethene	ND	*3	0.0053	0.0018	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,1,1-Trichloroethane	ND	*3	0.0053	0.0018	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Trichloroethene	ND	*3	0.0053	0.0017	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A14A
Lab Sample ID: 180-128974-13
Date Collected: 10/25/21 08:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Vinyl chloride	ND	*3	0.0053	0.0038	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	11/01/21 07:04	11/01/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*11/01/21 07:04*	*11/01/21 19:33*	*1*
Dibromofluoromethane (Surr)	*98*	*3	*69 - 126*	*11/01/21 07:04*	*11/01/21 19:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*	*3	*73 - 135*	*11/01/21 07:04*	*11/01/21 19:33*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*11/01/21 07:04*	*11/01/21 19:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19.1**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**80.9**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A14B
Lab Sample ID: 180-128974-14
Date Collected: 10/25/21 08:56
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
cis-1,2-Dichloroethene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1

Client Sample ID: SSHS-IRM5A2-A1-A14B — Lab Sample ID: 180-128974-14

Date Collected: 10/25/21 08:56 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 83.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/28/21 06:51	10/28/21 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*10/28/21 06:51*	*10/28/21 13:58*	*1*
Dibromofluoromethane (Surr)	*128*	*S1+*	*69 - 126*	*10/28/21 06:51*	*10/28/21 13:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*	*10/28/21 06:51*	*10/28/21 13:58*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*10/28/21 06:51*	*10/28/21 13:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.0**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**83.0**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A14C — Lab Sample ID: 180-128974-15

Date Collected: 10/23/21 12:00 — **Matrix: Solid**
Date Received: 10/26/21 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.3**		0.1	0.1	%			10/27/21 11:42	1
Percent Solids	**83.7**		0.1	0.1	%			10/27/21 11:42	1

Client Sample ID: SSHS-IRM5A2-A1-A15A — Lab Sample ID: 180-128974-16

Date Collected: 10/25/21 08:57 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 81.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
2-Butanone (MEK)	ND	*+	0.0054	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1

Client Sample ID: SSHS-IRM5A2-A1-A15A — Lab Sample ID: 180-128974-16

Date Collected: 10/25/21 08:57 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 81.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	11/04/21 07:42	11/04/21 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*11/04/21 07:42*	*11/04/21 17:14*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*11/04/21 07:42*	*11/04/21 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*11/04/21 07:42*	*11/04/21 17:14*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*11/04/21 07:42*	*11/04/21 17:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.4**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**81.6**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A15B — Lab Sample ID: 180-128974-17

Date Collected: 10/25/21 08:58 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 84.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1

Client Sample ID: SSHS-IRM5A2-A1-A15B — Lab Sample ID: 180-128974-17

Date Collected: 10/25/21 08:58 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 84.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/28/21 06:51	10/28/21 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*10/28/21 06:51*	*10/28/21 14:49*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*10/28/21 06:51*	*10/28/21 14:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*135*		*73 - 135*	*10/28/21 06:51*	*10/28/21 14:49*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*10/28/21 06:51*	*10/28/21 14:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.4**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**84.6**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A15C — Lab Sample ID: 180-128974-18

Date Collected: 10/23/21 14:00 — **Matrix: Solid**
Date Received: 10/26/21 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.5**		0.1	0.1	%			10/27/21 11:42	1
Percent Solids	**82.5**		0.1	0.1	%			10/27/21 11:42	1

Client Sample ID: SSHS-IRM5A2-A1-A16A — Lab Sample ID: 180-128974-19

Date Collected: 10/25/21 09:49 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 87.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1

Client Sample ID: SSHS-IRM5A2-A1-A16A
Lab Sample ID: 180-128974-19
Date Collected: 10/25/21 09:49 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 87.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/28/21 06:51	10/28/21 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*10/28/21 06:51*	*10/28/21 15:14*	*1*
Dibromofluoromethane (Surr)	*141*	*S1+*	*69 - 126*	*10/28/21 06:51*	*10/28/21 15:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*152*	*S1+*	*73 - 135*	*10/28/21 06:51*	*10/28/21 15:14*	*1*
Toluene-d8 (Surr)	*122*		*67 - 134*	*10/28/21 06:51*	*10/28/21 15:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.9**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**87.1**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A16B
Lab Sample ID: 180-128974-20
Date Collected: 10/25/21 09:50 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 87.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0037	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Benzene	ND		0.0048	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
2-Butanone (MEK)	ND		0.0048	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Carbon tetrachloride	ND		0.0048	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Chlorobenzene	ND		0.0048	0.0012	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Chloroform	ND		0.0048	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,3-Dichlorobenzene	ND		0.0048	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,4-Dioxane	ND		0.95	0.034	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
sec-Butylbenzene	ND		0.0048	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1

Client Sample ID: SSHS-IRM5A2-A1-A16B
Date Collected: 10/25/21 09:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-20
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Vinyl chloride	ND		0.0048	0.0034	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1
Xylenes, Total	ND		0.0095	0.0069	mg/Kg	☼	10/28/21 06:51	10/28/21 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*60 - 124*	*10/28/21 06:51*	*10/28/21 15:40*	*1*
Dibromofluoromethane (Surr)	*78*		*69 - 126*	*10/28/21 06:51*	*10/28/21 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*	*10/28/21 06:51*	*10/28/21 15:40*	*1*
Toluene-d8 (Surr)	*71*		*67 - 134*	*10/28/21 06:51*	*10/28/21 15:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Benzene	ND		0.0048	0.0014	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
2-Butanone (MEK)	ND	*+	0.0048	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Carbon tetrachloride	ND		0.0048	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Chlorobenzene	ND		0.0048	0.0013	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Chloroform	ND		0.0048	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
cis-1,2-Dichloroethene	ND		0.0048	0.0015	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,3-Dichlorobenzene	ND		0.0048	0.0030	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,4-Dichlorobenzene	ND		0.0048	0.0015	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,1-Dichloroethane	ND		0.0048	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Methylene Chloride	ND		0.0048	0.0044	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Vinyl chloride	ND		0.0048	0.0035	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	11/04/21 07:42	11/04/21 16:49	1

Client Sample ID: SSHS-IRM5A2-A1-A16B — Lab Sample ID: 180-128974-20

Date Collected: 10/25/21 09:50 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 87.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	48	S1-	60 - 124	11/04/21 07:42	11/04/21 16:49	1
Dibromofluoromethane (Surr)	70		69 - 126	11/04/21 07:42	11/04/21 16:49	1
1,2-Dichloroethane-d4 (Surr)	80		73 - 135	11/04/21 07:42	11/04/21 16:49	1
Toluene-d8 (Surr)	64	S1-	67 - 134	11/04/21 07:42	11/04/21 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.5**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**87.5**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A16C — Lab Sample ID: 180-128974-21

Date Collected: 10/24/21 09:35 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 88.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.068**		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Acenaphthylene	**0.84**		0.037	0.0081	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Anthracene	**0.78**		0.037	0.0096	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Benzo[a]anthracene	**2.8**		0.037	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Benzo[a]pyrene	**2.0**		0.037	0.016	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Benzo[b]fluoranthene	**3.1**		0.037	0.0091	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Benzo[g,h,i]perylene	**1.7**		0.037	0.0080	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Benzo[k]fluoranthene	**1.2**		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Chrysene	**2.9**		0.037	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Dibenz(a,h)anthracene	**0.48**		0.037	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Dibenzofuran	**0.081**	**J**	0.18	0.068	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
1,4-Dioxane	ND		0.37	0.058	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Fluoranthene	**4.5**		0.037	0.0098	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Fluorene	**0.15**		0.037	0.0073	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Hexachlorobenzene	ND		0.037	0.013	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Hexachlorobutadiene	ND		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Hexachloroethane	ND		0.18	0.066	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Indeno[1,2,3-cd]pyrene	**1.6**		0.037	0.018	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
2-Methylphenol	ND		0.18	0.053	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Methylphenol, 3 & 4	ND		0.18	0.055	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Naphthalene	**0.12**		0.037	0.0072	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Nitrobenzene	ND		0.37	0.068	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Pentachlorophenol	ND		0.95	0.30	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Phenanthrene	**2.7**		0.037	0.010	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Phenol	ND		0.18	0.056	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Pyrene	**5.4**		0.037	0.0088	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
Pyridine	ND		0.37	0.10	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
2,4,5-Trichlorophenol	ND		0.18	0.065	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5
2,4,6-Trichlorophenol	ND		0.18	0.062	mg/Kg	☼	10/28/21 19:39	10/29/21 19:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		37 - 107	10/28/21 19:39	10/29/21 19:27	5
2-Fluorophenol (Surr)	75		38 - 106	10/28/21 19:39	10/29/21 19:27	5
Nitrobenzene-d5 (Surr)	79		41 - 112	10/28/21 19:39	10/29/21 19:27	5

Client Sample ID: SSHS-IRM5A2-A1-A16C
Lab Sample ID: 180-128974-21
Date Collected: 10/24/21 09:35 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 88.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*77*		*40 - 110*	*10/28/21 19:39*	*10/29/21 19:27*	*5*
Terphenyl-d14 (Surr)	*91*		*32 - 115*	*10/28/21 19:39*	*10/29/21 19:27*	*5*
2,4,6-Tribromophenol (Surr)	*77*		*22 - 116*	*10/28/21 19:39*	*10/29/21 19:27*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1254	**0.44**		0.019	0.0056	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1260	**0.19**		0.019	0.0053	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:40	11/04/21 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*31 - 150*	*10/30/21 00:40*	*11/04/21 21:51*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*31 - 150*	*10/30/21 00:40*	*11/04/21 21:51*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*20 - 150*	*10/30/21 00:40*	*11/04/21 21:51*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*20 - 150*	*10/30/21 00:40*	*11/04/21 21:51*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		0.75	0.29	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Barium	**55**		15	0.81	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Beryllium	**0.37**		0.30	0.017	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Cadmium	ND		0.38	0.027	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Chromium	**9.7**		0.38	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Copper	**21**		1.9	1.7	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Lead	**17**		0.75	0.38	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Manganese	**340**		1.1	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Nickel	**16**		3.0	0.19	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Selenium	ND		0.75	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Silver	ND		0.38	0.079	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1
Zinc	**48**		1.5	1.2	mg/Kg	☼	10/28/21 09:41	10/29/21 19:36	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.039**		0.033	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**88.6**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:06	1
Cyanide, Total	**0.43**	**J**	0.45	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A1-A17A

Lab Sample ID: 180-128974-22

Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
2-Butanone (MEK)	ND		0.0058	0.0030	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Ethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Methylene Chloride	ND		0.0058	0.0053	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
tert-Butylbenzene	ND		0.0058	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	10/28/21 06:51	10/28/21 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*10/28/21 06:51*	*10/28/21 16:05*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*10/28/21 06:51*	*10/28/21 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*10/28/21 06:51*	*10/28/21 16:05*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*10/28/21 06:51*	*10/28/21 16:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.3**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**86.7**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A17B

Lab Sample ID: 180-128974-23

Date Collected: 10/25/21 09:19
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1

Client Sample ID: SSHS-IRM5A2-A1-A17B

Lab Sample ID: 180-128974-23
Date Collected: 10/25/21 09:19
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	10/28/21 06:51	10/28/21 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*10/28/21 06:51*	*10/28/21 16:31*	*1*
Dibromofluoromethane (Surr)	*124*		*69 - 126*	*10/28/21 06:51*	*10/28/21 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*10/28/21 06:51*	*10/28/21 16:31*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*10/28/21 06:51*	*10/28/21 16:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.1**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**86.9**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A17C

Lab Sample ID: 180-128974-24
Date Collected: 10/24/21 09:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.052**		0.038	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Acenaphthylene	**0.77**		0.038	0.0083	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Anthracene	**0.53**		0.038	0.0098	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Benzo[a]anthracene	**2.0**		0.038	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5

Client: Geosyntec Consultants, Inc.
Job ID: 180-128974-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A17C
Lab Sample ID: 180-128974-24
Date Collected: 10/24/21 09:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**1.6**		0.038	0.016	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Benzo[b]fluoranthene	**2.7**		0.038	0.0093	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Benzo[g,h,i]perylene	**1.5**		0.038	0.0082	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Benzo[k]fluoranthene	**0.84**		0.038	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Chrysene	**2.1**		0.038	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Dibenz(a,h)anthracene	**0.42**		0.038	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Dibenzofuran	ND		0.19	0.070	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
1,4-Dioxane	ND		0.38	0.059	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Fluoranthene	**2.3**		0.038	0.010	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Fluorene	**0.075**		0.038	0.0074	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Hexachlorobenzene	ND		0.038	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Hexachlorobutadiene	ND		0.038	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Hexachloroethane	ND		0.19	0.067	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Indeno[1,2,3-cd]pyrene	**1.4**		0.038	0.019	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
2-Methylphenol	ND		0.19	0.054	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Methylphenol, 3 & 4	ND		0.19	0.056	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Naphthalene	**0.097**		0.038	0.0074	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Nitrobenzene	ND		0.38	0.069	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Pentachlorophenol	ND		0.97	0.30	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Phenanthrene	**0.62**		0.038	0.010	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Phenol	ND		0.19	0.057	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Pyrene	**3.3**		0.038	0.0090	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
Pyridine	ND		0.38	0.10	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
2,4,5-Trichlorophenol	ND		0.19	0.066	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5
2,4,6-Trichlorophenol	ND		0.19	0.063	mg/Kg	☼	10/28/21 19:39	10/29/21 19:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*37 - 107*	*10/28/21 19:39*	*10/29/21 19:50*	*5*
2-Fluorophenol (Surr)	*76*		*38 - 106*	*10/28/21 19:39*	*10/29/21 19:50*	*5*
Nitrobenzene-d5 (Surr)	*83*		*41 - 112*	*10/28/21 19:39*	*10/29/21 19:50*	*5*
Phenol-d5 (Surr)	*76*		*40 - 110*	*10/28/21 19:39*	*10/29/21 19:50*	*5*
Terphenyl-d14 (Surr)	*89*		*32 - 115*	*10/28/21 19:39*	*10/29/21 19:50*	*5*
2,4,6-Tribromophenol (Surr)	*76*		*22 - 116*	*10/28/21 19:39*	*10/29/21 19:50*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1248	**1.7**		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1254	**0.88**		0.019	0.0056	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1260	**0.31**		0.019	0.0053	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:40	11/04/21 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*31 - 150*	*10/30/21 00:40*	*11/04/21 22:10*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*31 - 150*	*10/30/21 00:40*	*11/04/21 22:10*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A17C — Lab Sample ID: 180-128974-24

Date Collected: 10/24/21 09:55 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 87.9**

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*81*		*20 - 150*	*10/30/21 00:40*	*11/04/21 22:10*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*20 - 150*	*10/30/21 00:40*	*11/04/21 22:10*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		0.81	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Barium	**75**		16	0.87	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Beryllium	**0.38**		0.32	0.019	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Cadmium	ND		0.41	0.030	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Chromium	**11**		0.41	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Copper	**24**		2.0	1.9	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Lead	**26**		0.81	0.42	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Manganese	**320**		1.2	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Nickel	**17**		3.2	0.20	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Selenium	**0.56**	**J**	0.81	0.42	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Silver	ND		0.41	0.086	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1
Zinc	**51**		1.6	1.3	mg/Kg	☼	10/28/21 09:41	10/29/21 19:41	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.033	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.1**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**87.9**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:07	1
Cyanide, Total	**0.52**		0.52	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 12:38	1

Client Sample ID: SSHS-IRM5A2-A1-A18A — Lab Sample ID: 180-128974-25

Date Collected: 10/25/21 10:05 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 88.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0040	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,3-Dichlorobenzene	ND		0.0051	0.0031	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1

Client Sample ID: SSHS-IRM5A2-A1-A18A
Date Collected: 10/25/21 10:05
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-25
Matrix: Solid
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
tert-Butylbenzene	ND		0.0051	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Tetrachloroethene	ND		0.0051	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	10/28/21 06:51	10/28/21 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*	*S1-*	*60 - 124*	*10/28/21 06:51*	*10/28/21 16:56*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*10/28/21 06:51*	*10/28/21 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*10/28/21 06:51*	*10/28/21 16:56*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*10/28/21 06:51*	*10/28/21 16:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
2-Butanone (MEK)	ND	*+	0.0054	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1

Client Sample ID: SSHS-IRM5A2-A1-A18A — Lab Sample ID: 180-128974-25

Date Collected: 10/25/21 10:05 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 88.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	11/04/21 07:42	11/04/21 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*11/04/21 07:42*	*11/04/21 17:40*	*1*
Dibromofluoromethane (Surr)	*134*	*S1+*	*69 - 126*	*11/04/21 07:42*	*11/04/21 17:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*152*	*S1+*	*73 - 135*	*11/04/21 07:42*	*11/04/21 17:40*	*1*
Toluene-d8 (Surr)	*119*		*67 - 134*	*11/04/21 07:42*	*11/04/21 17:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**88.2**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A18B — Lab Sample ID: 180-128974-26

Date Collected: 10/25/21 10:06 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 89.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0036	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,2-Dichloroethane	ND		0.0047	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,4-Dioxane	ND		0.93	0.033	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Ethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Methylene Chloride	ND		0.0047	0.0042	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Tetrachloroethene	ND		0.0047	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Toluene	ND		0.0047	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
trans-1,2-Dichloroethene	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1

Client Sample ID: SSHS-IRM5A2-A1-A18B — Lab Sample ID: 180-128974-26

Date Collected: 10/25/21 10:06 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 89.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0047	0.0034	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1
Xylenes, Total	ND		0.0093	0.0067	mg/Kg	☼	10/28/21 06:51	10/28/21 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*10/28/21 06:51*	*10/28/21 17:22*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*10/28/21 06:51*	*10/28/21 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*10/28/21 06:51*	*10/28/21 17:22*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*10/28/21 06:51*	*10/28/21 17:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.8**		0.1	0.1	%			11/01/21 17:30	1
Percent Solids	**89.2**		0.1	0.1	%			11/01/21 17:30	1

Client Sample ID: SSHS-IRM5A2-A1-A18C — Lab Sample ID: 180-128974-27

Date Collected: 10/24/21 10:25 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 89.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.060**	**J**	0.074	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Acenaphthylene	**0.91**		0.074	0.016	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Anthracene	**0.62**		0.074	0.019	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Benzo[a]anthracene	**2.2**		0.074	0.033	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Benzo[a]pyrene	**1.9**		0.074	0.032	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Benzo[b]fluoranthene	**3.0**		0.074	0.018	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Benzo[g,h,i]perylene	**1.7**		0.074	0.016	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Benzo[k]fluoranthene	**1.0**		0.074	0.022	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Chrysene	**2.4**		0.074	0.041	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Dibenz(a,h)anthracene	**0.48**		0.074	0.047	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Dibenzofuran	ND		0.36	0.14	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
2,4-Dinitrotoluene	ND		0.36	0.22	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
1,4-Dioxane	ND		0.73	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Fluoranthene	**3.1**		0.074	0.019	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Fluorene	**0.092**		0.074	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Hexachlorobenzene	ND		0.074	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Hexachlorobutadiene	ND		0.074	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Hexachloroethane	ND		0.36	0.13	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Indeno[1,2,3-cd]pyrene	**1.5**		0.074	0.037	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
2-Methylphenol	ND		0.36	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Methylphenol, 3 & 4	ND		0.36	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Naphthalene	**0.11**		0.074	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Nitrobenzene	ND		0.73	0.13	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Pentachlorophenol	ND		1.9	0.59	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Phenanthrene	**0.95**		0.074	0.020	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Phenol	ND		0.36	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Pyrene	**3.8**		0.074	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
Pyridine	ND		0.74	0.20	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
2,4,5-Trichlorophenol	ND		0.36	0.13	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10
2,4,6-Trichlorophenol	ND		0.36	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 20:12	10

Client Sample ID: SSHS-IRM5A2-A1-A18C

Date Collected: 10/24/21 10:25
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-27

Matrix: Solid
Percent Solids: 89.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*37 - 107*	*10/28/21 19:39*	*10/29/21 20:12*	*10*
2-Fluorophenol (Surr)	*78*		*38 - 106*	*10/28/21 19:39*	*10/29/21 20:12*	*10*
Nitrobenzene-d5 (Surr)	*85*		*41 - 112*	*10/28/21 19:39*	*10/29/21 20:12*	*10*
Phenol-d5 (Surr)	*80*		*40 - 110*	*10/28/21 19:39*	*10/29/21 20:12*	*10*
Terphenyl-d14 (Surr)	*94*		*32 - 115*	*10/28/21 19:39*	*10/29/21 20:12*	*10*
2,4,6-Tribromophenol (Surr)	*75*		*22 - 116*	*10/28/21 19:39*	*10/29/21 20:12*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1254	**1.5**		0.019	0.0056	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1260	**0.71**		0.019	0.0053	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:40	11/04/21 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*31 - 150*	*10/30/21 00:40*	*11/04/21 22:29*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*31 - 150*	*10/30/21 00:40*	*11/04/21 22:29*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*20 - 150*	*10/30/21 00:40*	*11/04/21 22:29*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*20 - 150*	*10/30/21 00:40*	*11/04/21 22:29*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.2**		0.77	0.30	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Barium	**63**		15	0.82	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Beryllium	**0.35**		0.31	0.018	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Cadmium	**0.11**	**J**	0.38	0.028	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Chromium	**9.4**		0.38	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Copper	**23**		1.9	1.8	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Lead	**31**		0.77	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Manganese	**320**		1.2	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Nickel	**14**		3.1	0.19	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Selenium	ND		0.77	0.40	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Silver	ND		0.38	0.081	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1
Zinc	**44**		1.5	1.2	mg/Kg	☼	10/28/21 09:41	10/29/21 19:45	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**		0.035	0.022	mg/Kg	☼	11/01/21 07:55	11/02/21 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**89.1**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:10	1
Cyanide, Total	**0.54**		0.47	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 12:40	1

Client Sample ID: SSHS-IRM5A2-A1-A19A
Lab Sample ID: 180-128974-28

Date Collected: 10/25/21 10:15
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.0035	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Benzene	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
2-Butanone (MEK)	ND		0.0045	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Carbon tetrachloride	ND		0.0045	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Chlorobenzene	ND		0.0045	0.0012	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Chloroform	ND		0.0045	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
cis-1,2-Dichloroethene	ND		0.0045	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,2-Dichlorobenzene	ND		0.0045	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,3-Dichlorobenzene	ND		0.0045	0.0028	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,4-Dichlorobenzene	ND		0.0045	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,1-Dichloroethane	ND		0.0045	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,2-Dichloroethane	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,1-Dichloroethene	ND		0.0045	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,4-Dioxane	ND		0.91	0.032	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Ethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Methylene Chloride	ND		0.0045	0.0041	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Methyl tert-butyl ether	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
n-Butylbenzene	ND		0.0045	0.0023	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
N-Propylbenzene	ND		0.0045	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
sec-Butylbenzene	ND		0.0045	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
tert-Butylbenzene	ND		0.0045	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Tetrachloroethene	ND		0.0045	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Toluene	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
trans-1,2-Dichloroethene	ND		0.0045	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,1,1-Trichloroethane	ND		0.0045	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Trichloroethene	ND		0.0045	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,2,4-Trimethylbenzene	ND		0.0045	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
1,3,5-Trimethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Vinyl chloride	ND		0.0045	0.0033	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1
Xylenes, Total	ND		0.0091	0.0066	mg/Kg	☼	10/28/21 06:51	10/28/21 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*10/28/21 06:51*	*10/28/21 17:47*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*10/28/21 06:51*	*10/28/21 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*10/28/21 06:51*	*10/28/21 17:47*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*10/28/21 06:51*	*10/28/21 17:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**91.8**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A19B
Lab Sample ID: 180-128974-29

Date Collected: 10/25/21 10:16
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1

Client Sample ID: SSHS-IRM5A2-A1-A19B

Lab Sample ID: 180-128974-29
Date Collected: 10/25/21 10:16
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	10/28/21 06:51	10/28/21 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*10/28/21 06:51*	*10/28/21 18:38*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*10/28/21 06:51*	*10/28/21 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*	*S1+*	*73 - 135*	*10/28/21 06:51*	*10/28/21 18:38*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*10/28/21 06:51*	*10/28/21 18:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.7**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**84.3**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A19C

Lab Sample ID: 180-128974-30
Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 89.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.061**		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Acenaphthylene	**0.68**		0.037	0.0081	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Anthracene	**0.51**		0.037	0.0095	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Benzo[a]anthracene	**1.6**		0.037	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A19C
Date Collected: 10/24/21 11:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-30
Matrix: Solid
Percent Solids: 89.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**1.3**		0.037	0.016	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Benzo[b]fluoranthene	**2.1**		0.037	0.0090	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Benzo[g,h,i]perylene	**1.2**		0.037	0.0079	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Benzo[k]fluoranthene	**0.68**		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Chrysene	**1.8**		0.037	0.020	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Dibenz(a,h)anthracene	**0.33**		0.037	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Dibenzofuran	ND		0.18	0.068	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
1,4-Dioxane	ND		0.37	0.057	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Fluoranthene	**2.8**		0.037	0.0097	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Fluorene	**0.15**		0.037	0.0072	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Hexachlorobenzene	ND		0.037	0.013	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Hexachlorobutadiene	ND		0.037	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Hexachloroethane	ND		0.18	0.065	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Indeno[1,2,3-cd]pyrene	**1.1**		0.037	0.018	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
2-Methylphenol	ND		0.18	0.053	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Methylphenol, 3 & 4	ND		0.18	0.054	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Naphthalene	**0.081**		0.037	0.0072	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Nitrobenzene	ND		0.37	0.067	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Pentachlorophenol	ND		0.94	0.30	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Phenanthrene	**1.6**		0.037	0.0099	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Phenol	ND		0.18	0.056	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Pyrene	**3.2**		0.037	0.0087	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
Pyridine	ND		0.37	0.099	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
2,4,5-Trichlorophenol	ND		0.18	0.064	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5
2,4,6-Trichlorophenol	ND		0.18	0.061	mg/Kg	☼	10/28/21 19:39	10/29/21 20:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*37 - 107*	*10/28/21 19:39*	*10/29/21 20:34*	*5*
2-Fluorophenol (Surr)	*75*		*38 - 106*	*10/28/21 19:39*	*10/29/21 20:34*	*5*
Nitrobenzene-d5 (Surr)	*77*		*41 - 112*	*10/28/21 19:39*	*10/29/21 20:34*	*5*
Phenol-d5 (Surr)	*75*		*40 - 110*	*10/28/21 19:39*	*10/29/21 20:34*	*5*
Terphenyl-d14 (Surr)	*83*		*32 - 115*	*10/28/21 19:39*	*10/29/21 20:34*	*5*
2,4,6-Tribromophenol (Surr)	*75*		*22 - 116*	*10/28/21 19:39*	*10/29/21 20:34*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1248	**0.28**		0.019	0.0044	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1254	**0.20**		0.019	0.0056	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1260	**0.089**		0.019	0.0053	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:40	11/04/21 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*31 - 150*	*10/30/21 00:40*	*11/04/21 22:47*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*31 - 150*	*10/30/21 00:40*	*11/04/21 22:47*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A19C

Lab Sample ID: 180-128974-30

Date Collected: 10/24/21 11:40
Date Received: 10/26/21 10:00

Matrix: Solid
Percent Solids: 89.4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*20 - 150*	*10/30/21 00:40*	*11/04/21 22:47*	*1*
Tetrachloro-m-xylene (Surr)	*56*		*20 - 150*	*10/30/21 00:40*	*11/04/21 22:47*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		0.68	0.27	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Barium	**68**		14	0.73	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Beryllium	**0.31**		0.27	0.016	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Cadmium	ND		0.34	0.025	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Chromium	**8.9**		0.34	0.28	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Copper	**24**		1.7	1.6	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Lead	**20**		0.68	0.35	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Manganese	**300**		1.0	0.28	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Nickel	**14**		2.7	0.17	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Selenium	ND		0.68	0.35	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Silver	ND		0.34	0.072	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1
Zinc	**48**		1.4	1.1	mg/Kg	☼	10/28/21 09:41	10/29/21 19:59	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**	**J**	0.036	0.023	mg/Kg	☼	11/01/21 07:55	11/02/21 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.6**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**89.4**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:11	1
Cyanide, Total	**0.55**		0.47	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 12:42	1

Client Sample ID: SSHS-IRM5A2-A1-A20A

Lab Sample ID: 180-128974-31

Date Collected: 10/25/21 10:24
Date Received: 10/26/21 10:00

Matrix: Solid
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1

Client Sample ID: SSHS-IRM5A2-A1-A20A — Lab Sample ID: 180-128974-31

Date Collected: 10/25/21 10:24 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	10/28/21 06:51	10/28/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*60 - 124*	*10/28/21 06:51*	*10/28/21 19:03*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*10/28/21 06:51*	*10/28/21 19:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*10/28/21 06:51*	*10/28/21 19:03*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*10/28/21 06:51*	*10/28/21 19:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**85.7**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A20B — Lab Sample ID: 180-128974-32

Date Collected: 10/25/21 10:25 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 86.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F2	0.019	0.0037	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Benzene	ND	F2 F1	0.0047	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Carbon tetrachloride	ND	F2	0.0047	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Chlorobenzene	ND	F2 F1	0.0047	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Chloroform	ND	F2	0.0047	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
cis-1,2-Dichloroethene	ND	F2	0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,2-Dichlorobenzene	ND	*3 F2 F1	0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,3-Dichlorobenzene	ND	*3 F2 F1	0.0047	0.0029	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,4-Dichlorobenzene	ND	*3 F2 F1	0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,1-Dichloroethane	ND	F2	0.0047	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,2-Dichloroethane	ND	F2	0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,1-Dichloroethene	ND	F2	0.0047	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,4-Dioxane	ND	F2	0.95	0.033	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Ethylbenzene	ND	F2 F1	0.0047	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Methylene Chloride	ND	F2 F1	0.0047	0.0043	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Methyl tert-butyl ether	ND	F2	0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1

Client Sample ID: SSHS-IRM5A2-A1-A20B
Lab Sample ID: 180-128974-32
Date Collected: 10/25/21 10:25
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	*3 F2 F1	0.0047	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
N-Propylbenzene	ND	*3 F2	0.0047	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
sec-Butylbenzene	ND	*3 F2	0.0047	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
tert-Butylbenzene	ND	*3 F2	0.0047	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Tetrachloroethene	ND	F2	0.0047	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Toluene	ND	F2	0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
trans-1,2-Dichloroethene	ND	F2 F1	0.0047	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,1,1-Trichloroethane	ND	F2	0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Trichloroethene	ND	F2	0.0047	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,2,4-Trimethylbenzene	ND	*3 F1 F2	0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
1,3,5-Trimethylbenzene	ND	*3 F2	0.0047	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Vinyl chloride	ND	F2 F1	0.0047	0.0034	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1
Xylenes, Total	ND	F2 F1	0.0095	0.0068	mg/Kg	☼	10/28/21 05:59	10/28/21 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*10/28/21 05:59*	*10/28/21 13:36*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*10/28/21 05:59*	*10/28/21 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*10/28/21 05:59*	*10/28/21 13:36*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*10/28/21 05:59*	*10/28/21 13:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.0034	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Benzene	ND		0.0044	0.0012	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
2-Butanone (MEK)	ND		0.0044	0.0022	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Carbon tetrachloride	ND		0.0044	0.0018	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Chlorobenzene	ND		0.0044	0.0011	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Chloroform	ND		0.0044	0.0014	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
cis-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,2-Dichlorobenzene	ND	*3	0.0044	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,3-Dichlorobenzene	ND	*3	0.0044	0.0027	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,4-Dichlorobenzene	ND	*3	0.0044	0.0013	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,1-Dichloroethane	ND		0.0044	0.0014	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,2-Dichloroethane	ND		0.0044	0.0013	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,1-Dichloroethene	ND		0.0044	0.0020	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,4-Dioxane	ND		0.88	0.031	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Ethylbenzene	ND		0.0044	0.0016	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Methylene Chloride	ND		0.0044	0.0040	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Methyl tert-butyl ether	ND		0.0044	0.0013	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
n-Butylbenzene	ND	*3	0.0044	0.0022	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
N-Propylbenzene	ND	*3	0.0044	0.0016	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
sec-Butylbenzene	ND	*3	0.0044	0.0022	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
tert-Butylbenzene	ND	*3	0.0044	0.0019	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Tetrachloroethene	ND		0.0044	0.0018	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Toluene	ND		0.0044	0.0013	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
trans-1,2-Dichloroethene	ND		0.0044	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,1,1-Trichloroethane	ND		0.0044	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Trichloroethene	ND		0.0044	0.0014	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,2,4-Trimethylbenzene	ND	*3	0.0044	0.0015	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
1,3,5-Trimethylbenzene	ND	*3	0.0044	0.0016	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1

Client Sample ID: SSHS-IRM5A2-A1-A20B
Lab Sample ID: 180-128974-32

Date Collected: 10/25/21 10:25
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0044	0.0032	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1
Xylenes, Total	ND		0.0088	0.0063	mg/Kg	☼	11/01/21 07:04	11/01/21 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*58*	*S1-*	*60 - 124*	*11/01/21 07:04*	*11/01/21 19:08*	*1*
Dibromofluoromethane (Surr)	*124*		*69 - 126*	*11/01/21 07:04*	*11/01/21 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*11/01/21 07:04*	*11/01/21 19:08*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*11/01/21 07:04*	*11/01/21 19:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**86.5**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A20C
Lab Sample ID: 180-128974-33

Date Collected: 10/24/21 11:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 86.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.040**		0.038	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Acenaphthylene	**0.76**		0.038	0.0083	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Anthracene	**0.52**		0.038	0.0098	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Benzo[a]anthracene	**2.1**	**F1**	0.038	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Benzo[a]pyrene	**1.9**		0.038	0.016	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Benzo[b]fluoranthene	**3.1**		0.038	0.0093	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Benzo[g,h,i]perylene	**1.5**		0.038	0.0082	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Benzo[k]fluoranthene	**0.95**		0.038	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Chrysene	**2.3**	**F1**	0.038	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Dibenz(a,h)anthracene	**0.41**		0.038	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Dibenzofuran	ND		0.19	0.070	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
1,4-Dioxane	ND		0.38	0.059	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Fluoranthene	**2.6**	**F1**	0.038	0.010	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Fluorene	**0.076**		0.038	0.0074	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Hexachlorobenzene	ND		0.038	0.014	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Hexachlorobutadiene	ND		0.038	0.011	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Hexachloroethane	ND		0.19	0.067	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Indeno[1,2,3-cd]pyrene	**1.4**		0.038	0.019	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
2-Methylphenol	ND		0.19	0.054	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Methylphenol, 3 & 4	ND		0.19	0.055	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Naphthalene	**0.13**		0.038	0.0074	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Nitrobenzene	ND		0.38	0.069	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Pentachlorophenol	ND		0.96	0.30	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Phenanthrene	**0.75**	**F1**	0.038	0.010	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Phenol	ND		0.19	0.057	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Pyrene	**3.5**		0.038	0.0090	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
Pyridine	ND	F1	0.38	0.10	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
2,4,5-Trichlorophenol	ND		0.19	0.066	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5
2,4,6-Trichlorophenol	ND		0.19	0.063	mg/Kg	☼	10/28/21 19:39	10/29/21 16:08	5

Client Sample ID: SSHS-IRM5A2-A1-A20C
Date Collected: 10/24/21 11:40
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-33
Matrix: Solid
Percent Solids: 86.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		37 - 107	10/28/21 19:39	10/29/21 16:08	5
2-Fluorophenol (Surr)	74		38 - 106	10/28/21 19:39	10/29/21 16:08	5
Nitrobenzene-d5 (Surr)	78		41 - 112	10/28/21 19:39	10/29/21 16:08	5
Phenol-d5 (Surr)	78		40 - 110	10/28/21 19:39	10/29/21 16:08	5
Terphenyl-d14 (Surr)	92		32 - 115	10/28/21 19:39	10/29/21 16:08	5
2,4,6-Tribromophenol (Surr)	74		22 - 116	10/28/21 19:39	10/29/21 16:08	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1248	**1.5**		0.019	0.0046	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1254	**0.65**		0.019	0.0057	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1260	**0.23**	**F2 F1**	0.019	0.0054	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	10/30/21 00:40	11/04/21 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	83		31 - 150	10/30/21 00:40	11/04/21 19:59	1
DCB Decachlorobiphenyl (Surr)	87		31 - 150	10/30/21 00:40	11/04/21 19:59	1
Tetrachloro-m-xylene (Surr)	94		20 - 150	10/30/21 00:40	11/04/21 19:59	1
Tetrachloro-m-xylene (Surr)	84		20 - 150	10/30/21 00:40	11/04/21 19:59	1

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.5**		0.90	0.35	mg/Kg	☼	11/03/21 10:22	11/05/21 11:11	1
Barium	**57**	**F1 F2**	18	0.97	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Beryllium	**0.22**	**J**	0.36	0.021	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Cadmium	**0.091**	**J**	0.45	0.033	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Chromium	**6.6**		0.45	0.37	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Copper	**23**		2.3	2.1	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Lead	**22**		0.90	0.46	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Manganese	**190**	**F1 F2**	1.4	0.37	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Nickel	**11**		3.6	0.22	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Selenium	**0.54**	**J**	0.90	0.47	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Silver	ND		0.45	0.095	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1
Zinc	**38**	**F1**	1.8	1.4	mg/Kg	☼	11/03/21 10:22	11/04/21 13:53	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.039**		0.033	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**86.5**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 15:57	1
Cyanide, Total	**0.55**		0.50	0.27	mg/Kg	☼	11/03/21 16:45	11/04/21 12:44	1

Client Sample ID: SSHS-IRM5A2-A1-A21A
Lab Sample ID: 180-128974-34
Date Collected: 10/25/21 10:44 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 82.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/28/21 05:59	10/28/21 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*10/28/21 05:59*	*10/28/21 14:46*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*10/28/21 05:59*	*10/28/21 14:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*10/28/21 05:59*	*10/28/21 14:46*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*10/28/21 05:59*	*10/28/21 14:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.5**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**82.5**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A21B
Lab Sample ID: 180-128974-35
Date Collected: 10/25/21 10:45 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 85.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1

Client Sample ID: SSHS-IRM5A2-A1-A21B
Lab Sample ID: 180-128974-35

Date Collected: 10/25/21 10:45
Matrix: Solid

Date Received: 10/26/21 10:00
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,2-Dichlorobenzene	ND	*3	0.0054	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,3-Dichlorobenzene	ND	*3	0.0054	0.0033	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,4-Dichlorobenzene	ND	*3	0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
n-Butylbenzene	ND	*3	0.0054	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
N-Propylbenzene	ND	*3	0.0054	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
sec-Butylbenzene	ND	*3	0.0054	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
tert-Butylbenzene	ND	*3	0.0054	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,2,4-Trimethylbenzene	ND	*3	0.0054	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
1,3,5-Trimethylbenzene	ND	*3	0.0054	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	10/28/21 05:59	10/28/21 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*10/28/21 05:59*	*10/28/21 15:09*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*10/28/21 05:59*	*10/28/21 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*10/28/21 05:59*	*10/28/21 15:09*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*10/28/21 05:59*	*10/28/21 15:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Carbon tetrachloride	ND		0.0058	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
cis-1,2-Dichloroethene	ND		0.0058	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,2-Dichlorobenzene	ND	*3	0.0058	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,3-Dichlorobenzene	ND	*3	0.0058	0.0036	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,4-Dichlorobenzene	ND	*3	0.0058	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,1-Dichloroethane	ND		0.0058	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1

Client Sample ID: SSHS-IRM5A2-A1-A21B

Lab Sample ID: 180-128974-35
Date Collected: 10/25/21 10:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
n-Butylbenzene	ND	*3	0.0058	0.0029	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
N-Propylbenzene	ND	*3	0.0058	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
sec-Butylbenzene	ND	*3	0.0058	0.0028	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
tert-Butylbenzene	ND	*3	0.0058	0.0024	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,2,4-Trimethylbenzene	ND	*3	0.0058	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
1,3,5-Trimethylbenzene	ND	*3	0.0058	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Vinyl chloride	ND	*+	0.0058	0.0042	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1
Xylenes, Total	ND		0.012	0.0083	mg/Kg	☼	10/29/21 07:14	10/29/21 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*60 - 124*	*10/29/21 07:14*	*10/29/21 13:29*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*10/29/21 07:14*	*10/29/21 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*10/29/21 07:14*	*10/29/21 13:29*	*1*
Toluene-d8 (Surr)	*123*		*67 - 134*	*10/29/21 07:14*	*10/29/21 13:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.2**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**85.8**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A21C

Lab Sample ID: 180-128974-36
Date Collected: 10/24/21 13:30
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.13**		0.12	0.034	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Acenaphthylene	**2.2**		0.12	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Anthracene	**1.6**		0.12	0.030	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Benzo[a]anthracene	**5.8**		0.12	0.053	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Benzo[a]pyrene	**4.4**		0.12	0.051	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Benzo[b]fluoranthene	**7.1**		0.12	0.029	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Benzo[g,h,i]perylene	**3.8**		0.12	0.025	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Benzo[k]fluoranthene	**2.2**		0.12	0.035	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Chrysene	**6.0**		0.12	0.065	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Dibenz(a,h)anthracene	**1.1**		0.12	0.075	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Dibenzofuran	ND		0.58	0.22	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
2,4-Dinitrotoluene	ND		0.58	0.35	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
1,4-Dioxane	ND		1.2	0.18	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Fluoranthene	**7.7**		0.12	0.031	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Fluorene	**0.23**		0.12	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15

Client Sample ID: SSHS-IRM5A2-A1-A21C **Lab Sample ID: 180-128974-36**
Date Collected: 10/24/21 13:30 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.12	0.042	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Hexachlorobutadiene	ND		0.12	0.034	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Hexachloroethane	ND		0.58	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Indeno[1,2,3-cd]pyrene	**3.6**		0.12	0.058	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
2-Methylphenol	ND		0.58	0.17	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Methylphenol, 3 & 4	ND		0.58	0.17	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Naphthalene	**0.31**		0.12	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Nitrobenzene	ND		1.2	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Pentachlorophenol	ND		3.0	0.94	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Phenanthrene	**1.9**		0.12	0.031	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Phenol	ND		0.58	0.18	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Pyrene	**9.8**		0.12	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
Pyridine	ND		1.2	0.32	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
2,4,5-Trichlorophenol	ND		0.58	0.20	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15
2,4,6-Trichlorophenol	ND		0.58	0.19	mg/Kg	☼	10/28/21 19:39	10/29/21 20:56	15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*37 - 107*	*10/28/21 19:39*	*10/29/21 20:56*	*15*
2-Fluorophenol (Surr)	*64*		*38 - 106*	*10/28/21 19:39*	*10/29/21 20:56*	*15*
Nitrobenzene-d5 (Surr)	*71*		*41 - 112*	*10/28/21 19:39*	*10/29/21 20:56*	*15*
Phenol-d5 (Surr)	*66*		*40 - 110*	*10/28/21 19:39*	*10/29/21 20:56*	*15*
Terphenyl-d14 (Surr)	*80*		*32 - 115*	*10/28/21 19:39*	*10/29/21 20:56*	*15*
2,4,6-Tribromophenol (Surr)	*69*		*22 - 116*	*10/28/21 19:39*	*10/29/21 20:56*	*15*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1248	**2.8**		0.020	0.0047	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1254	**2.3**		0.020	0.0059	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1260	**0.87**		0.020	0.0056	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	10/30/21 00:40	11/04/21 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*31 - 150*	*10/30/21 00:40*	*11/04/21 23:06*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*31 - 150*	*10/30/21 00:40*	*11/04/21 23:06*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*20 - 150*	*10/30/21 00:40*	*11/04/21 23:06*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*20 - 150*	*10/30/21 00:40*	*11/04/21 23:06*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.9**		0.77	0.30	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Barium	**130**		15	0.83	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Beryllium	**0.45**		0.31	0.018	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Cadmium	**0.19**	**J**	0.39	0.028	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Chromium	**11**		0.39	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Copper	**32**		1.9	1.8	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1

Client Sample ID: SSHS-IRM5A2-A1-A21C
Lab Sample ID: 180-128974-36
Date Collected: 10/24/21 13:30 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	49		0.77	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Manganese	250		1.2	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Nickel	16		3.1	0.19	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Selenium	0.84		0.77	0.40	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Silver	ND		0.39	0.081	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1
Zinc	55		1.5	1.2	mg/Kg	☼	10/28/21 09:41	10/29/21 20:08	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058		0.033	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.3		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	83.7		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.48	0.26	mg/Kg	☼	10/28/21 11:00	10/29/21 16:12	1
Cyanide, Total	0.76		0.46	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 12:49	1

Client Sample ID: SSHS-IRM5A2-A1-A22A
Lab Sample ID: 180-128974-37
Date Collected: 10/25/21 12:00 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 86.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,2-Dichlorobenzene	ND	*3	0.0052	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,3-Dichlorobenzene	ND	*3	0.0052	0.0032	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,4-Dichlorobenzene	ND	*3	0.0052	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
n-Butylbenzene	ND	*3	0.0052	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
N-Propylbenzene	ND	*3	0.0052	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
sec-Butylbenzene	ND	*3	0.0052	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
tert-Butylbenzene	ND	*3	0.0052	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1

Client Sample ID: SSHS-IRM5A2-A1-A22A
Lab Sample ID: 180-128974-37

Date Collected: 10/25/21 12:00
Matrix: Solid

Date Received: 10/26/21 10:00
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	*3	0.0052	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
1,3,5-Trimethylbenzene	ND	*3	0.0052	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/28/21 05:59	10/28/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*10/28/21 05:59*	*10/28/21 15:32*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*10/28/21 05:59*	*10/28/21 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*10/28/21 05:59*	*10/28/21 15:32*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*10/28/21 05:59*	*10/28/21 15:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.0036	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Benzene	ND		0.0046	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
2-Butanone (MEK)	ND		0.0046	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Carbon tetrachloride	ND		0.0046	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Chlorobenzene	ND		0.0046	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Chloroform	ND		0.0046	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
cis-1,2-Dichloroethene	ND		0.0046	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,2-Dichlorobenzene	ND	*3	0.0046	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,3-Dichlorobenzene	ND	*3	0.0046	0.0028	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,4-Dichlorobenzene	ND	*3	0.0046	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,1-Dichloroethane	ND		0.0046	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,2-Dichloroethane	ND		0.0046	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,1-Dichloroethene	ND		0.0046	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,4-Dioxane	ND		0.92	0.033	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Ethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Methylene Chloride	ND		0.0046	0.0042	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Methyl tert-butyl ether	ND		0.0046	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
n-Butylbenzene	ND	*3	0.0046	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
N-Propylbenzene	ND	*3	0.0046	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
sec-Butylbenzene	ND	*3	0.0046	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
tert-Butylbenzene	ND	*3	0.0046	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Tetrachloroethene	ND		0.0046	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Toluene	ND		0.0046	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
trans-1,2-Dichloroethene	ND		0.0046	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,1,1-Trichloroethane	ND		0.0046	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Trichloroethene	ND		0.0046	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,2,4-Trimethylbenzene	ND	*3	0.0046	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
1,3,5-Trimethylbenzene	ND	*3	0.0046	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Vinyl chloride	ND	*+	0.0046	0.0033	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1
Xylenes, Total	ND		0.0092	0.0067	mg/Kg	☼	10/29/21 07:14	10/29/21 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*		*60 - 124*	*10/29/21 07:14*	*10/29/21 13:52*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*10/29/21 07:14*	*10/29/21 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*10/29/21 07:14*	*10/29/21 13:52*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*10/29/21 07:14*	*10/29/21 13:52*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A22A — Lab Sample ID: 180-128974-37

Date Collected: 10/25/21 12:00 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 86.1**

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.9		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	86.1		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A22B — Lab Sample ID: 180-128974-38

Date Collected: 10/25/21 12:01 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 86.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0036	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,2-Dichloroethane	ND		0.0047	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,4-Dioxane	ND		0.93	0.033	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Ethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Methylene Chloride	ND		0.0047	0.0042	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Tetrachloroethene	ND		0.0047	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Toluene	ND		0.0047	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
trans-1,2-Dichloroethene	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Vinyl chloride	ND		0.0047	0.0034	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1
Xylenes, Total	ND		0.0093	0.0067	mg/Kg	☼	10/28/21 05:59	10/28/21 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*10/28/21 05:59*	*10/28/21 15:56*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*10/28/21 05:59*	*10/28/21 15:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*10/28/21 05:59*	*10/28/21 15:56*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*10/28/21 05:59*	*10/28/21 15:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.7		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	86.3		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A22C
Lab Sample ID: 180-128974-39

Date Collected: 10/24/21 13:45
Matrix: Solid

Date Received: 10/26/21 10:00
Percent Solids: 82.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.14**		0.12	0.034	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Acenaphthylene	**2.0**		0.12	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Anthracene	**1.4**		0.12	0.031	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Benzo[a]anthracene	**4.0**		0.12	0.054	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Benzo[a]pyrene	**3.5**		0.12	0.051	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Benzo[b]fluoranthene	**5.7**		0.12	0.029	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Benzo[g,h,i]perylene	**3.1**		0.12	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Benzo[k]fluoranthene	**1.7**		0.12	0.036	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Chrysene	**4.2**		0.12	0.066	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Dibenz(a,h)anthracene	**0.89**		0.12	0.076	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Dibenzofuran	ND		0.59	0.22	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
2,4-Dinitrotoluene	ND		0.59	0.35	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
1,4-Dioxane	ND		1.2	0.19	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Fluoranthene	**5.2**		0.12	0.031	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Fluorene	**0.20**		0.12	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Hexachlorobenzene	ND		0.12	0.043	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Hexachlorobutadiene	ND		0.12	0.035	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Hexachloroethane	ND		0.59	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Indeno[1,2,3-cd]pyrene	**2.9**		0.12	0.059	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
2-Methylphenol	ND		0.59	0.17	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Methylphenol, 3 & 4	ND		0.59	0.17	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Naphthalene	**0.33**		0.12	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Nitrobenzene	ND		1.2	0.22	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Pentachlorophenol	ND		3.0	0.95	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Phenanthrene	**1.4**		0.12	0.032	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Phenol	ND		0.59	0.18	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Pyrene	**6.6**		0.12	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
Pyridine	ND		1.2	0.32	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
2,4,5-Trichlorophenol	ND		0.59	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15
2,4,6-Trichlorophenol	ND		0.59	0.20	mg/Kg	☼	10/28/21 19:39	10/29/21 21:18	15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*37 - 107*	*10/28/21 19:39*	*10/29/21 21:18*	*15*
2-Fluorophenol (Surr)	*74*		*38 - 106*	*10/28/21 19:39*	*10/29/21 21:18*	*15*
Nitrobenzene-d5 (Surr)	*79*		*41 - 112*	*10/28/21 19:39*	*10/29/21 21:18*	*15*
Phenol-d5 (Surr)	*72*		*40 - 110*	*10/28/21 19:39*	*10/29/21 21:18*	*15*
Terphenyl-d14 (Surr)	*88*		*32 - 115*	*10/28/21 19:39*	*10/29/21 21:18*	*15*
2,4,6-Tribromophenol (Surr)	*75*		*22 - 116*	*10/28/21 19:39*	*10/29/21 21:18*	*15*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0066	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1221	ND		0.020	0.0071	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1232	ND		0.020	0.0049	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1242	ND		0.020	0.0030	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1248	**1.8**		0.020	0.0048	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1254	**1.7**		0.020	0.0061	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1260	**0.75**		0.020	0.0057	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1262	ND		0.020	0.0071	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	10/30/21 00:40	11/04/21 23:25	1

Client Sample ID: SSHS-IRM5A2-A1-A22C — Lab Sample ID: 180-128974-39

Date Collected: 10/24/21 13:45 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 82.0**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*31 - 150*	*10/30/21 00:40*	*11/04/21 23:25*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*31 - 150*	*10/30/21 00:40*	*11/04/21 23:25*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*20 - 150*	*10/30/21 00:40*	*11/04/21 23:25*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*20 - 150*	*10/30/21 00:40*	*11/04/21 23:25*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.5**		0.75	0.29	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Barium	**110**		15	0.80	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Beryllium	**0.42**		0.30	0.017	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Cadmium	**0.14**	**J**	0.37	0.027	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Chromium	**11**		0.37	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Copper	**31**		1.9	1.7	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Lead	**45**		0.75	0.38	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Manganese	**190**		1.1	0.30	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Nickel	**18**		3.0	0.19	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Selenium	**1.8**		0.75	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Silver	ND		0.37	0.079	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1
Zinc	**44**		1.5	1.2	mg/Kg	☼	10/28/21 09:41	10/29/21 20:12	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.039	0.025	mg/Kg	☼	11/01/21 07:55	11/02/21 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.0**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**82.0**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	**4.6**		0.49	0.26	mg/Kg	☼	10/28/21 11:00	10/29/21 16:13	1
Cyanide, Total	**1.6**		0.58	0.32	mg/Kg	☼	11/03/21 16:45	11/04/21 12:51	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2A — Lab Sample ID: 180-128974-40

Date Collected: 10/25/21 11:09 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 85.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
cis-1,2-Dichloroethene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,2-Dichlorobenzene	ND	*3	0.0055	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,3-Dichlorobenzene	ND	*3	0.0055	0.0034	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,4-Dichlorobenzene	ND	*3	0.0055	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2A
Lab Sample ID: 180-128974-40
Date Collected: 10/25/21 11:09 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 85.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
n-Butylbenzene	ND	*3	0.0055	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
N-Propylbenzene	ND	*3	0.0055	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
sec-Butylbenzene	ND	*3	0.0055	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
tert-Butylbenzene	ND	*3	0.0055	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,2,4-Trimethylbenzene	ND	*3	0.0055	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
1,3,5-Trimethylbenzene	ND	*3	0.0055	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	10/28/21 05:59	10/28/21 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*		*60 - 124*	*10/28/21 05:59*	*10/28/21 18:38*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*10/28/21 05:59*	*10/28/21 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*10/28/21 05:59*	*10/28/21 18:38*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*10/28/21 05:59*	*10/28/21 18:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	0.026	0.0050	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Benzene	ND	*3	0.0065	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
2-Butanone (MEK)	ND	*3	0.0065	0.0033	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Carbon tetrachloride	ND	*3	0.0065	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Chlorobenzene	ND	*3	0.0065	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Chloroform	ND	*3	0.0065	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
cis-1,2-Dichloroethene	ND	*3	0.0065	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,2-Dichlorobenzene	ND	*3	0.0065	0.0022	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,3-Dichlorobenzene	ND	*3	0.0065	0.0040	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,4-Dichlorobenzene	ND	*3	0.0065	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,1-Dichloroethane	ND	*3	0.0065	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,2-Dichloroethane	ND	*3	0.0065	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,1-Dichloroethene	ND	*3	0.0065	0.0029	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,4-Dioxane	ND	*3	1.3	0.046	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Ethylbenzene	ND	*3	0.0065	0.0024	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Methylene Chloride	ND	*3	0.0065	0.0058	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Methyl tert-butyl ether	ND	*3	0.0065	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
n-Butylbenzene	ND	*3	0.0065	0.0032	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
N-Propylbenzene	ND	*3	0.0065	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
sec-Butylbenzene	ND	*3	0.0065	0.0032	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
tert-Butylbenzene	ND	*3	0.0065	0.0027	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Tetrachloroethene	ND	*3	0.0065	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Toluene	ND	*3	0.0065	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
trans-1,2-Dichloroethene	ND	*3	0.0065	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,1,1-Trichloroethane	ND	*3	0.0065	0.0022	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2A

Lab Sample ID: 180-128974-40
Date Collected: 10/25/21 11:09
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND	*3	0.0065	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,2,4-Trimethylbenzene	ND	*3	0.0065	0.0022	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
1,3,5-Trimethylbenzene	ND	*3	0.0065	0.0024	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Vinyl chloride	ND	*3 *+	0.0065	0.0047	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1
Xylenes, Total	ND	*3	0.013	0.0093	mg/Kg	☼	10/29/21 07:14	10/29/21 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*3	*60 - 124*	*10/29/21 07:14*	*10/29/21 15:03*	*1*
Dibromofluoromethane (Surr)	*110*	*3	*69 - 126*	*10/29/21 07:14*	*10/29/21 15:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*	*3	*73 - 135*	*10/29/21 07:14*	*10/29/21 15:03*	*1*
Toluene-d8 (Surr)	*114*	*3	*67 - 134*	*10/29/21 07:14*	*10/29/21 15:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.9**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**85.1**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2B

Lab Sample ID: 180-128974-41
Date Collected: 10/25/21 11:10
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0037	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,2-Dichloroethane	ND		0.0047	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,4-Dioxane	ND		0.95	0.034	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Ethylbenzene	ND		0.0047	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Methylene Chloride	ND		0.0047	0.0043	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Tetrachloroethene	ND		0.0047	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Toluene	ND		0.0047	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
trans-1,2-Dichloroethene	ND		0.0047	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2B — Lab Sample ID: 180-128974-41

Date Collected: 10/25/21 11:10 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.0047	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Vinyl chloride	ND	*+	0.0047	0.0034	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1
Xylenes, Total	ND		0.0095	0.0068	mg/Kg	☼	10/29/21 07:14	10/29/21 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*60 - 124*	*10/29/21 07:14*	*10/29/21 14:39*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*10/29/21 07:14*	*10/29/21 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*10/29/21 07:14*	*10/29/21 14:39*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*10/29/21 07:14*	*10/29/21 14:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**90.5**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2C — Lab Sample ID: 180-128974-42

Date Collected: 10/24/21 13:45 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.14**		0.12	0.033	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Acenaphthylene	**2.0**		0.12	0.025	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Anthracene	**1.3**		0.12	0.030	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Benzo[a]anthracene	**3.8**		0.12	0.052	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Benzo[a]pyrene	**3.4**		0.12	0.050	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Benzo[b]fluoranthene	**5.8**		0.12	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Benzo[g,h,i]perylene	**3.2**		0.12	0.025	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Benzo[k]fluoranthene	**1.4**		0.12	0.035	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Chrysene	**4.3**		0.12	0.064	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Dibenz(a,h)anthracene	**0.88**		0.12	0.074	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Dibenzofuran	ND		0.57	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
2,4-Dinitrotoluene	ND		0.57	0.35	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
1,4-Dioxane	ND		1.2	0.18	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Fluoranthene	**5.2**		0.12	0.031	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Fluorene	**0.20**		0.12	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Hexachlorobenzene	ND		0.12	0.042	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Hexachlorobutadiene	ND		0.12	0.034	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Hexachloroethane	ND		0.57	0.20	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Indeno[1,2,3-cd]pyrene	**2.9**		0.12	0.058	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
2-Methylphenol	ND		0.57	0.17	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Methylphenol, 3 & 4	ND		0.57	0.17	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Naphthalene	**0.35**		0.12	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Nitrobenzene	ND		1.2	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Pentachlorophenol	ND		3.0	0.93	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Phenanthrene	**1.4**		0.12	0.031	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Phenol	ND		0.57	0.18	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Pyrene	**6.3**		0.12	0.027	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
Pyridine	ND		1.2	0.31	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15
2,4,5-Trichlorophenol	ND		0.57	0.20	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15

Client Sample ID: SSHS-IRM5A2-A1-DUP2C
Date Collected: 10/24/21 13:45
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-42
Matrix: Solid
Percent Solids: 85.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.57	0.19	mg/Kg	☼	10/28/21 19:39	10/29/21 21:41	15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*37 - 107*	*10/28/21 19:39*	*10/29/21 21:41*	*15*
2-Fluorophenol (Surr)	*87*		*38 - 106*	*10/28/21 19:39*	*10/29/21 21:41*	*15*
Nitrobenzene-d5 (Surr)	*89*		*41 - 112*	*10/28/21 19:39*	*10/29/21 21:41*	*15*
Phenol-d5 (Surr)	*83*		*40 - 110*	*10/28/21 19:39*	*10/29/21 21:41*	*15*
Terphenyl-d14 (Surr)	*91*		*32 - 115*	*10/28/21 19:39*	*10/29/21 21:41*	*15*
2,4,6-Tribromophenol (Surr)	*79*		*22 - 116*	*10/28/21 19:39*	*10/29/21 21:41*	*15*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1248	**0.97**		0.019	0.0046	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1254	**0.90**		0.019	0.0058	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1260	**0.42**		0.019	0.0055	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	10/30/21 00:40	11/04/21 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*31 - 150*	*10/30/21 00:40*	*11/04/21 23:43*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*31 - 150*	*10/30/21 00:40*	*11/04/21 23:43*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*20 - 150*	*10/30/21 00:40*	*11/04/21 23:43*	*1*
Tetrachloro-m-xylene (Surr)	*54*		*20 - 150*	*10/30/21 00:40*	*11/04/21 23:43*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		0.80	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Barium	**77**		16	0.86	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Beryllium	**0.34**		0.32	0.018	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Cadmium	**0.098**	**J**	0.40	0.029	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Chromium	**10**		0.40	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Copper	**25**		2.0	1.8	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Lead	**51**		0.80	0.41	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Manganese	**230**		1.2	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Nickel	**14**		3.2	0.20	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Selenium	**0.58**	**J**	0.80	0.41	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Silver	ND		0.40	0.085	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1
Zinc	**42**		1.6	1.3	mg/Kg	☼	10/28/21 09:41	10/29/21 20:17	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.063**		0.035	0.022	mg/Kg	☼	11/01/21 07:55	11/02/21 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.8**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**85.2**		0.1	0.1	%			10/28/21 14:31	1

Client Sample ID: SSHS-IRM5A2-A1-DUP2C

Lab Sample ID: 180-128974-42
Date Collected: 10/24/21 13:45
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 85.2

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 16:15	1
Cyanide, Total	**0.79**		0.53	0.29	mg/Kg	☼	11/03/21 16:45	11/04/21 12:52	1

Client Sample ID: SSHS-IRM5A2-A1-A23A

Lab Sample ID: 180-128974-43
Date Collected: 10/25/21 11:34
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/28/21 05:59	10/28/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*10/28/21 05:59*	*10/28/21 16:19*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*10/28/21 05:59*	*10/28/21 16:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*10/28/21 05:59*	*10/28/21 16:19*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*10/28/21 05:59*	*10/28/21 16:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**91.0**		0.1	0.1	%			11/01/21 18:01	1

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A23B

Lab Sample ID: 180-128974-44

Date Collected: 10/25/21 11:35
Date Received: 10/26/21 10:00

Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	10/28/21 05:59	10/28/21 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*10/28/21 05:59*	*10/28/21 16:42*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*10/28/21 05:59*	*10/28/21 16:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*10/28/21 05:59*	*10/28/21 16:42*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*10/28/21 05:59*	*10/28/21 16:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.0**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**87.0**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A23C

Lab Sample ID: 180-128974-45

Date Collected: 10/24/21 14:35
Date Received: 10/26/21 10:00

Matrix: Solid
Percent Solids: 87.6

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.019**		0.015	0.0043	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Acenaphthylene	**0.27**		0.015	0.0033	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2

Client Sample ID: SSHS-IRM5A2-A1-A23C **Lab Sample ID: 180-128974-45**
Date Collected: 10/24/21 14:35 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 87.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.20**		0.015	0.0039	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Benzo[a]anthracene	**0.68**		0.015	0.0068	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Benzo[a]pyrene	**0.59**		0.015	0.0065	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Benzo[b]fluoranthene	**0.97**		0.015	0.0037	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Benzo[g,h,i]perylene	**0.54**		0.015	0.0032	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Benzo[k]fluoranthene	**0.29**		0.015	0.0045	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Chrysene	**0.74**		0.015	0.0083	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Dibenz(a,h)anthracene	**0.15**		0.015	0.0096	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Dibenzofuran	ND		0.074	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
2,4-Dinitrotoluene	ND		0.074	0.045	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Fluoranthene	**0.88**		0.015	0.0040	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Fluorene	**0.033**		0.015	0.0030	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Hexachlorobenzene	ND		0.015	0.0054	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Hexachlorobutadiene	ND		0.015	0.0044	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Hexachloroethane	ND		0.074	0.027	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Indeno[1,2,3-cd]pyrene	**0.50**		0.015	0.0075	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
2-Methylphenol	ND		0.074	0.022	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Methylphenol, 3 & 4	ND		0.074	0.022	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Naphthalene	**0.071**		0.015	0.0029	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Nitrobenzene	ND		0.15	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Phenanthrene	**0.31**		0.015	0.0040	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Phenol	ND		0.074	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Pyrene	**1.2**		0.015	0.0036	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
Pyridine	ND		0.15	0.041	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
2,4,5-Trichlorophenol	ND		0.074	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2
2,4,6-Trichlorophenol	ND		0.074	0.025	mg/Kg	☼	10/28/21 19:39	10/29/21 22:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*37 - 107*	*10/28/21 19:39*	*10/29/21 22:03*	*2*
2-Fluorophenol (Surr)	*65*		*38 - 106*	*10/28/21 19:39*	*10/29/21 22:03*	*2*
Nitrobenzene-d5 (Surr)	*74*		*41 - 112*	*10/28/21 19:39*	*10/29/21 22:03*	*2*
Phenol-d5 (Surr)	*66*		*40 - 110*	*10/28/21 19:39*	*10/29/21 22:03*	*2*
Terphenyl-d14 (Surr)	*86*		*32 - 115*	*10/28/21 19:39*	*10/29/21 22:03*	*2*
2,4,6-Tribromophenol (Surr)	*68*		*22 - 116*	*10/28/21 19:39*	*10/29/21 22:03*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1254	**0.41**		0.019	0.0056	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1260	**0.19**		0.019	0.0053	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:40	11/05/21 00:02	1

Client Sample ID: SSHS-IRM5A2-A1-A23C
Lab Sample ID: 180-128974-45
Date Collected: 10/24/21 14:35 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 87.6**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*31 - 150*	*10/30/21 00:40*	*11/05/21 00:02*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*31 - 150*	*10/30/21 00:40*	*11/05/21 00:02*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*20 - 150*	*10/30/21 00:40*	*11/05/21 00:02*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*20 - 150*	*10/30/21 00:40*	*11/05/21 00:02*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.0**		0.83	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Barium	**63**		17	0.89	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Beryllium	**0.35**		0.33	0.019	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Cadmium	ND		0.41	0.030	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Chromium	**10**		0.41	0.34	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Copper	**30**		2.1	1.9	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Lead	**19**		0.83	0.42	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Manganese	**290**		1.2	0.34	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Nickel	**17**		3.3	0.21	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Selenium	**0.56**	**J**	0.83	0.43	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Silver	ND		0.41	0.087	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1
Zinc	**51**		1.7	1.3	mg/Kg	☼	10/28/21 09:41	10/29/21 20:22	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.033	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.4**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**87.6**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:16	1
Cyanide, Total	**0.57**		0.48	0.26	mg/Kg	☼	11/03/21 16:45	11/04/21 12:54	1

Client Sample ID: SSHS-IRM5A2-A1-A24A
Lab Sample ID: 180-128974-46
Date Collected: 10/25/21 12:24 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 88.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0050	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Benzene	ND		0.0064	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
2-Butanone (MEK)	ND		0.0064	0.0032	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Carbon tetrachloride	ND		0.0064	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Chlorobenzene	ND		0.0064	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Chloroform	ND		0.0064	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
cis-1,2-Dichloroethene	ND		0.0064	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,2-Dichlorobenzene	ND		0.0064	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,3-Dichlorobenzene	ND		0.0064	0.0039	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,4-Dichlorobenzene	ND		0.0064	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,1-Dichloroethane	ND		0.0064	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,2-Dichloroethane	ND		0.0064	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,1-Dichloroethene	ND		0.0064	0.0029	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,4-Dioxane	ND		1.3	0.045	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1

Client Sample ID: SSHS-IRM5A2-A1-A24A
Lab Sample ID: 180-128974-46
Date Collected: 10/25/21 12:24
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Methylene Chloride	ND		0.0064	0.0058	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Methyl tert-butyl ether	ND		0.0064	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
n-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
N-Propylbenzene	ND		0.0064	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
sec-Butylbenzene	ND		0.0064	0.0031	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
tert-Butylbenzene	ND		0.0064	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Tetrachloroethene	ND		0.0064	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Toluene	ND		0.0064	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
trans-1,2-Dichloroethene	ND		0.0064	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,1,1-Trichloroethane	ND		0.0064	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Trichloroethene	ND		0.0064	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Vinyl chloride	ND		0.0064	0.0046	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1
Xylenes, Total	ND		0.013	0.0092	mg/Kg	☼	10/28/21 05:59	10/28/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*10/28/21 05:59*	*10/28/21 17:06*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*10/28/21 05:59*	*10/28/21 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*10/28/21 05:59*	*10/28/21 17:06*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*10/28/21 05:59*	*10/28/21 17:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**88.6**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A24B
Lab Sample ID: 180-128974-47
Date Collected: 10/25/21 12:25
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.017	0.0034	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Benzene	ND		0.0043	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
2-Butanone (MEK)	ND		0.0043	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Carbon tetrachloride	ND		0.0043	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Chlorobenzene	ND		0.0043	0.0011	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Chloroform	ND		0.0043	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,2-Dichlorobenzene	ND		0.0043	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,3-Dichlorobenzene	ND		0.0043	0.0027	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,4-Dichlorobenzene	ND		0.0043	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,1-Dichloroethane	ND		0.0043	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,2-Dichloroethane	ND		0.0043	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,1-Dichloroethene	ND		0.0043	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,4-Dioxane	ND		0.86	0.030	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Ethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Methylene Chloride	ND		0.0043	0.0039	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1

Client Sample ID: SSHS-IRM5A2-A1-A24B — Lab Sample ID: 180-128974-47

Date Collected: 10/25/21 12:25 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 87.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0043	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
n-Butylbenzene	ND		0.0043	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
sec-Butylbenzene	ND		0.0043	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
tert-Butylbenzene	ND		0.0043	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Tetrachloroethene	ND		0.0043	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Toluene	ND		0.0043	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
trans-1,2-Dichloroethene	ND		0.0043	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,1,1-Trichloroethane	ND		0.0043	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Trichloroethene	ND		0.0043	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Vinyl chloride	ND		0.0043	0.0031	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1
Xylenes, Total	ND		0.0086	0.0062	mg/Kg	☼	10/28/21 05:59	10/28/21 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*10/28/21 05:59*	*10/28/21 17:53*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*10/28/21 05:59*	*10/28/21 17:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*10/28/21 05:59*	*10/28/21 17:53*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*10/28/21 05:59*	*10/28/21 17:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.6**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**87.4**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A24C — Lab Sample ID: 180-128974-48

Date Collected: 10/24/21 14:50 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 88.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.017**		0.015	0.0043	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Acenaphthylene	**0.23**		0.015	0.0033	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Anthracene	**0.20**		0.015	0.0039	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Benzo[a]anthracene	**0.60**		0.015	0.0067	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Benzo[a]pyrene	**0.47**		0.015	0.0065	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Benzo[b]fluoranthene	**0.78**		0.015	0.0037	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Benzo[g,h,i]perylene	**0.46**		0.015	0.0032	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Benzo[k]fluoranthene	**0.24**		0.015	0.0045	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Chrysene	**0.65**		0.015	0.0083	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Dibenz(a,h)anthracene	**0.13**		0.015	0.0095	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Dibenzofuran	ND		0.074	0.027	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
2,4-Dinitrotoluene	ND		0.074	0.044	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Fluoranthene	**0.83**		0.015	0.0039	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Fluorene	**0.030**		0.015	0.0029	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Hexachlorobenzene	ND		0.015	0.0053	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Hexachlorobutadiene	ND		0.015	0.0044	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Hexachloroethane	ND		0.074	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2

Client Sample ID: SSHS-IRM5A2-A1-A24C

Date Collected: 10/24/21 14:50
Date Received: 10/26/21 10:00

Lab Sample ID: 180-128974-48

Matrix: Solid
Percent Solids: 88.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.43**		0.015	0.0074	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
2-Methylphenol	ND		0.074	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Methylphenol, 3 & 4	ND		0.074	0.022	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Naphthalene	**0.038**		0.015	0.0029	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Phenanthrene	**0.30**		0.015	0.0040	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Phenol	ND		0.074	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Pyrene	**1.1**		0.015	0.0035	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
Pyridine	ND		0.15	0.040	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
2,4,5-Trichlorophenol	ND		0.074	0.026	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2
2,4,6-Trichlorophenol	ND		0.074	0.025	mg/Kg	☼	10/28/21 19:39	10/29/21 22:25	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*37 - 107*	*10/28/21 19:39*	*10/29/21 22:25*	*2*
2-Fluorophenol (Surr)	*69*		*38 - 106*	*10/28/21 19:39*	*10/29/21 22:25*	*2*
Nitrobenzene-d5 (Surr)	*72*		*41 - 112*	*10/28/21 19:39*	*10/29/21 22:25*	*2*
Phenol-d5 (Surr)	*68*		*40 - 110*	*10/28/21 19:39*	*10/29/21 22:25*	*2*
Terphenyl-d14 (Surr)	*84*		*32 - 115*	*10/28/21 19:39*	*10/29/21 22:25*	*2*
2,4,6-Tribromophenol (Surr)	*72*		*22 - 116*	*10/28/21 19:39*	*10/29/21 22:25*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1248	**0.36**		0.018	0.0044	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1254	**0.32**		0.018	0.0055	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1260	**0.16**		0.018	0.0053	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	10/30/21 00:40	11/05/21 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*31 - 150*	*10/30/21 00:40*	*11/05/21 00:21*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*31 - 150*	*10/30/21 00:40*	*11/05/21 00:21*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*20 - 150*	*10/30/21 00:40*	*11/05/21 00:21*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*20 - 150*	*10/30/21 00:40*	*11/05/21 00:21*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.81	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Barium	**62**		16	0.87	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Beryllium	**0.34**		0.32	0.019	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Cadmium	**0.036**	**J**	0.40	0.029	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Chromium	**9.6**		0.40	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Copper	**21**		2.0	1.9	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Lead	**17**		0.81	0.41	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Manganese	**340**		1.2	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Nickel	**14**		3.2	0.20	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1

Client Sample ID: SSHS-IRM5A2-A1-A24C
Lab Sample ID: 180-128974-48
Date Collected: 10/24/21 14:50 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 88.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.81	0.42	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Silver	ND		0.40	0.085	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1
Zinc	**48**		1.6	1.3	mg/Kg	☼	10/28/21 09:41	10/29/21 20:26	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.036	0.023	mg/Kg	☼	11/01/21 07:55	11/02/21 13:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**88.3**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:17	1
Cyanide, Total	**0.99**		0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 12:59	1

Client Sample ID: SSHS-IRM5A2-A1-A25A
Lab Sample ID: 180-128974-49
Date Collected: 10/25/21 12:01 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.0035	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Benzene	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
2-Butanone (MEK)	ND		0.0045	0.0023	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Carbon tetrachloride	ND		0.0045	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Chlorobenzene	ND		0.0045	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Chloroform	ND		0.0045	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
cis-1,2-Dichloroethene	ND		0.0045	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,2-Dichlorobenzene	ND	*3	0.0045	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,3-Dichlorobenzene	ND	*3	0.0045	0.0028	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,4-Dichlorobenzene	ND	*3	0.0045	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,1-Dichloroethane	ND		0.0045	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,2-Dichloroethane	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,1-Dichloroethene	ND		0.0045	0.0020	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,4-Dioxane	ND		0.91	0.032	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Ethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Methylene Chloride	ND		0.0045	0.0041	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Methyl tert-butyl ether	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
n-Butylbenzene	ND	*3	0.0045	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
N-Propylbenzene	ND	*3	0.0045	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
sec-Butylbenzene	ND	*3	0.0045	0.0022	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
tert-Butylbenzene	ND	*3	0.0045	0.0019	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Tetrachloroethene	ND		0.0045	0.0018	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Toluene	ND		0.0045	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
trans-1,2-Dichloroethene	ND		0.0045	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,1,1-Trichloroethane	ND		0.0045	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Trichloroethene	ND		0.0045	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,2,4-Trimethylbenzene	ND	*3	0.0045	0.0016	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
1,3,5-Trimethylbenzene	ND	*3	0.0045	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1
Vinyl chloride	ND		0.0045	0.0033	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1

Client Sample ID: SSHS-IRM5A2-A1-A25A
Lab Sample ID: 180-128974-49
Date Collected: 10/25/21 12:01 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0091	0.0065	mg/Kg	☼	10/28/21 05:59	10/28/21 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*10/28/21 05:59*	*10/28/21 17:29*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*10/28/21 05:59*	*10/28/21 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*10/28/21 05:59*	*10/28/21 17:29*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*10/28/21 05:59*	*10/28/21 17:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Benzene	ND		0.0051	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Chloroform	ND		0.0051	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
cis-1,2-Dichloroethene	ND		0.0051	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,2-Dichlorobenzene	ND	*3	0.0051	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,3-Dichlorobenzene	ND	*3	0.0051	0.0032	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,4-Dichlorobenzene	ND	*3	0.0051	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
n-Butylbenzene	ND	*3	0.0051	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
N-Propylbenzene	ND	*3	0.0051	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
sec-Butylbenzene	ND	*3	0.0051	0.0025	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
tert-Butylbenzene	ND	*3	0.0051	0.0022	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,2,4-Trimethylbenzene	ND	*3	0.0051	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
1,3,5-Trimethylbenzene	ND	*3	0.0051	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Vinyl chloride	ND	*+	0.0051	0.0037	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	10/29/21 07:14	10/29/21 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*10/29/21 07:14*	*10/29/21 14:16*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*10/29/21 07:14*	*10/29/21 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*10/29/21 07:14*	*10/29/21 14:16*	*1*
Toluene-d8 (Surr)	*119*		*67 - 134*	*10/29/21 07:14*	*10/29/21 14:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.8**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A25A — Lab Sample ID: 180-128974-49

Date Collected: 10/25/21 12:01 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 83.2**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.2		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A25B — Lab Sample ID: 180-128974-50

Date Collected: 10/25/21 12:02 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	11/01/21 07:00	11/01/21 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/01/21 07:00*	*11/01/21 14:04*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*11/01/21 07:00*	*11/01/21 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*11/01/21 07:00*	*11/01/21 14:04*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*11/01/21 07:00*	*11/01/21 14:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.3		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	86.7		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A25C **Lab Sample ID: 180-128974-51**
Date Collected: 10/24/21 15:10 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 84.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.10**		0.079	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Acenaphthylene	**1.5**		0.079	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Anthracene	**1.1**		0.079	0.020	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Benzo[a]anthracene	**3.9**		0.079	0.035	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Benzo[a]pyrene	**3.1**		0.079	0.034	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Benzo[b]fluoranthene	**4.9**		0.079	0.019	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Benzo[g,h,i]perylene	**2.9**		0.079	0.017	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Benzo[k]fluoranthene	**1.7**		0.079	0.024	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Chrysene	**4.1**		0.079	0.044	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Dibenz(a,h)anthracene	**0.84**		0.079	0.050	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Dibenzofuran	ND		0.39	0.14	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
2,4-Dinitrotoluene	ND		0.39	0.23	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
1,4-Dioxane	ND		0.78	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Fluoranthene	**4.9**		0.079	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Fluorene	**0.16**		0.079	0.015	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Hexachlorobenzene	ND		0.079	0.028	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Hexachlorobutadiene	ND		0.079	0.023	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Hexachloroethane	ND		0.39	0.14	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Indeno[1,2,3-cd]pyrene	**2.7**		0.079	0.039	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
2-Methylphenol	ND		0.39	0.11	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Methylphenol, 3 & 4	ND		0.39	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Naphthalene	**0.20**		0.079	0.015	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Nitrobenzene	ND		0.78	0.14	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Pentachlorophenol	ND		2.0	0.63	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Phenanthrene	**1.6**		0.079	0.021	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Phenol	ND		0.39	0.12	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Pyrene	**6.7**		0.079	0.019	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
Pyridine	ND		0.79	0.21	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
2,4,5-Trichlorophenol	ND		0.39	0.14	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10
2,4,6-Trichlorophenol	ND		0.39	0.13	mg/Kg	☼	10/28/21 19:39	10/29/21 22:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*37 - 107*	*10/28/21 19:39*	*10/29/21 22:47*	*10*
2-Fluorophenol (Surr)	*60*		*38 - 106*	*10/28/21 19:39*	*10/29/21 22:47*	*10*
Nitrobenzene-d5 (Surr)	*64*		*41 - 112*	*10/28/21 19:39*	*10/29/21 22:47*	*10*
Phenol-d5 (Surr)	*61*		*40 - 110*	*10/28/21 19:39*	*10/29/21 22:47*	*10*
Terphenyl-d14 (Surr)	*78*		*32 - 115*	*10/28/21 19:39*	*10/29/21 22:47*	*10*
2,4,6-Tribromophenol (Surr)	*60*		*22 - 116*	*10/28/21 19:39*	*10/29/21 22:47*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1221	ND		0.019	0.0069	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1248	**0.25**		0.019	0.0046	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1254	**0.25**		0.019	0.0058	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	10/30/21 00:41	11/05/21 00:40	1

Client Sample ID: SSHS-IRM5A2-A1-A25C
Lab Sample ID: 180-128974-51
Date Collected: 10/24/21 15:10 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 84.4**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*31 - 150*	*10/30/21 00:41*	*11/05/21 00:40*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*31 - 150*	*10/30/21 00:41*	*11/05/21 00:40*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*20 - 150*	*10/30/21 00:41*	*11/05/21 00:40*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*20 - 150*	*10/30/21 00:41*	*11/05/21 00:40*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		0.88	0.34	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Barium	**120**		18	0.94	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Beryllium	**0.36**		0.35	0.020	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Cadmium	**0.099**	**J**	0.44	0.032	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Chromium	**27**		0.44	0.36	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Copper	**69**		2.2	2.0	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Lead	**83**		1.8	0.90	mg/Kg	☼	10/28/21 09:41	11/01/21 13:08	2
Manganese	**440**		1.3	0.36	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Nickel	**22**		7.0	0.44	mg/Kg	☼	10/28/21 09:41	11/01/21 13:08	2
Selenium	**1.2**		0.88	0.45	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Silver	ND		0.44	0.092	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1
Zinc	**90**		1.8	1.4	mg/Kg	☼	10/28/21 09:41	10/29/21 20:31	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.037	0.024	mg/Kg	☼	11/01/21 07:55	11/02/21 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.6**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**84.4**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 16:18	1
Cyanide, Total	**0.94**		0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 13:01	1

Client Sample ID: SSHS-IRM5A2-A1-A26A
Lab Sample ID: 180-128974-52
Date Collected: 10/25/21 12:39 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
2-Butanone (MEK)	ND		0.0050	0.0026	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1

Client Sample ID: SSHS-IRM5A2-A1-A26A — Lab Sample ID: 180-128974-52

Date Collected: 10/25/21 12:39 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	11/01/21 07:00	11/01/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/01/21 07:00*	*11/01/21 13:41*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*11/01/21 07:00*	*11/01/21 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*11/01/21 07:00*	*11/01/21 13:41*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*11/01/21 07:00*	*11/01/21 13:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19.6**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**80.4**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A26B — Lab Sample ID: 180-128974-53

Date Collected: 10/25/21 12:40 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 88.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1

Client Sample ID: SSHS-IRM5A2-A1-A26B — Lab Sample ID: 180-128974-53

Date Collected: 10/25/21 12:40 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 88.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	11/01/21 07:00	11/01/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/01/21 07:00*	*11/01/21 13:18*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*11/01/21 07:00*	*11/01/21 13:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*11/01/21 07:00*	*11/01/21 13:18*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*11/01/21 07:00*	*11/01/21 13:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**88.3**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A26C — Lab Sample ID: 180-128974-54

Date Collected: 10/24/21 15:30 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 87.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.044**		0.038	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Acenaphthylene	**1.1**		0.038	0.0083	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Anthracene	**0.70**		0.038	0.0098	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Benzo[a]anthracene	**2.5**		0.038	0.017	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Benzo[a]pyrene	**2.1**	**F1**	0.038	0.016	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Benzo[b]fluoranthene	**3.3**		0.038	0.0093	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Benzo[g,h,i]perylene	**1.8**	**F1**	0.038	0.0082	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Benzo[k]fluoranthene	**1.1**	**F1**	0.038	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Chrysene	**2.8**	**F1**	0.038	0.021	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Dibenz(a,h)anthracene	**0.53**		0.038	0.024	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Dibenzofuran	ND		0.19	0.070	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
1,4-Dioxane	ND		0.38	0.059	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Fluoranthene	**3.9**		0.038	0.010	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Fluorene	**0.11**		0.038	0.0074	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Hexachlorobenzene	ND		0.038	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Hexachlorobutadiene	ND		0.038	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Hexachloroethane	ND		0.19	0.067	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5

Client Sample ID: SSHS-IRM5A2-A1-A26C **Lab Sample ID: 180-128974-54**
Date Collected: 10/24/21 15:30 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 87.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**1.7**		0.038	0.019	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
2-Methylphenol	ND		0.19	0.054	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Methylphenol, 3 & 4	ND		0.19	0.056	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Naphthalene	**0.14**		0.038	0.0074	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Nitrobenzene	ND		0.38	0.069	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Pentachlorophenol	ND		0.96	0.30	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Phenanthrene	**1.3**		0.038	0.010	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Phenol	ND		0.19	0.057	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Pyrene	**4.2**		0.038	0.0090	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
Pyridine	ND	F1	0.38	0.10	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
2,4,5-Trichlorophenol	ND		0.19	0.066	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5
2,4,6-Trichlorophenol	ND		0.19	0.063	mg/Kg	☼	10/27/21 18:44	10/28/21 11:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*37 - 107*	*10/27/21 18:44*	*10/28/21 11:58*	*5*
2-Fluorophenol (Surr)	*73*		*38 - 106*	*10/27/21 18:44*	*10/28/21 11:58*	*5*
Nitrobenzene-d5 (Surr)	*80*		*41 - 112*	*10/27/21 18:44*	*10/28/21 11:58*	*5*
Phenol-d5 (Surr)	*74*		*40 - 110*	*10/27/21 18:44*	*10/28/21 11:58*	*5*
Terphenyl-d14 (Surr)	*90*		*32 - 115*	*10/27/21 18:44*	*10/28/21 11:58*	*5*
2,4,6-Tribromophenol (Surr)	*68*		*22 - 116*	*10/27/21 18:44*	*10/28/21 11:58*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1248	**0.44**		0.019	0.0045	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1254	**0.46**		0.019	0.0056	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1260	**0.26**		0.019	0.0053	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:41	11/05/21 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*31 - 150*	*10/30/21 00:41*	*11/05/21 01:36*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*31 - 150*	*10/30/21 00:41*	*11/05/21 01:36*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*20 - 150*	*10/30/21 00:41*	*11/05/21 01:36*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*20 - 150*	*10/30/21 00:41*	*11/05/21 01:36*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.3**		0.80	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Barium	**120**		16	0.86	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Beryllium	**0.37**		0.32	0.018	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Cadmium	**0.11**	**J**	0.40	0.029	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Chromium	**9.3**		0.40	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Copper	**27**		2.0	1.8	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Lead	**32**		0.80	0.41	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Manganese	**350**		1.2	0.33	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Nickel	**14**		3.2	0.20	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1

Client Sample ID: SSHS-IRM5A2-A1-A26C
Lab Sample ID: 180-128974-54
Date Collected: 10/24/21 15:30 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 87.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.64**	**J**	0.80	0.41	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Silver	ND		0.40	0.085	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1
Zinc	**50**		1.6	1.3	mg/Kg	☼	10/28/21 09:41	10/29/21 20:44	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.035	0.022	mg/Kg	☼	11/01/21 07:55	11/02/21 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.0**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**87.0**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	10/28/21 11:00	10/29/21 16:19	1
Cyanide, Total	**0.48**		0.43	0.23	mg/Kg	☼	11/03/21 16:45	11/04/21 13:03	1

Client Sample ID: SSHS-IRM5A2-A1-A27A
Lab Sample ID: 180-128974-55
Date Collected: 10/27/21 14:20 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 88.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Chlorobenzene	ND		0.0056	0.0014	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Trichloroethene	ND		0.0056	0.0017	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A27A

Lab Sample ID: 180-128974-55

Date Collected: 10/27/21 14:20
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	11/03/21 06:00	11/03/21 09:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/03/21 06:00*	*11/03/21 09:56*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*11/03/21 06:00*	*11/03/21 09:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*11/03/21 06:00*	*11/03/21 09:56*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*11/03/21 06:00*	*11/03/21 09:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.6**		0.1	0.1	%			11/01/21 18:01	1
Percent Solids	**88.4**		0.1	0.1	%			11/01/21 18:01	1

Client Sample ID: SSHS-IRM5A2-A1-A27B

Lab Sample ID: 180-128974-56

Date Collected: 10/25/21 13:00
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.017	0.0033	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Benzene	ND		0.0042	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
2-Butanone (MEK)	ND		0.0042	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Carbon tetrachloride	ND		0.0042	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Chlorobenzene	ND		0.0042	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Chloroform	ND		0.0042	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
cis-1,2-Dichloroethene	ND		0.0042	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,2-Dichlorobenzene	ND		0.0042	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,3-Dichlorobenzene	ND		0.0042	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,4-Dichlorobenzene	ND		0.0042	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,1-Dichloroethane	ND		0.0042	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,2-Dichloroethane	ND		0.0042	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,1-Dichloroethene	ND		0.0042	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,4-Dioxane	ND		0.83	0.030	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Ethylbenzene	ND		0.0042	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Methylene Chloride	ND		0.0042	0.0038	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Methyl tert-butyl ether	ND		0.0042	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
n-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
N-Propylbenzene	ND		0.0042	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
sec-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
tert-Butylbenzene	ND		0.0042	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Tetrachloroethene	ND		0.0042	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Toluene	ND		0.0042	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
trans-1,2-Dichloroethene	ND		0.0042	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,1,1-Trichloroethane	ND		0.0042	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Trichloroethene	ND		0.0042	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,2,4-Trimethylbenzene	ND		0.0042	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
1,3,5-Trimethylbenzene	ND		0.0042	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Vinyl chloride	ND	*+	0.0042	0.0030	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1
Xylenes, Total	ND		0.0083	0.0060	mg/Kg	☼	10/29/21 07:14	10/29/21 16:36	1

Client Sample ID: SSHS-IRM5A2-A1-A27B — Lab Sample ID: 180-128974-56

Date Collected: 10/25/21 13:00 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 90.5**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*10/29/21 07:14*	*10/29/21 16:36*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*10/29/21 07:14*	*10/29/21 16:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*10/29/21 07:14*	*10/29/21 16:36*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*10/29/21 07:14*	*10/29/21 16:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			11/01/21 18:39	1
Percent Solids	**90.5**		0.1	0.1	%			11/01/21 18:39	1

Client Sample ID: SSHS-IRM5A2-A1-A27C — Lab Sample ID: 180-128974-57

Date Collected: 10/24/21 16:00 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 85.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.027**		0.0078	0.0022	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Acenaphthylene	**0.51**		0.0078	0.0017	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Anthracene	**0.36**		0.0078	0.0020	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Benzo[a]anthracene	**1.0**		0.0078	0.0035	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Benzo[a]pyrene	**0.92**		0.0078	0.0033	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Benzo[b]fluoranthene	**1.4**		0.0078	0.0019	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Benzo[g,h,i]perylene	**0.88**		0.0078	0.0017	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Benzo[k]fluoranthene	**0.43**		0.0078	0.0023	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Chrysene	**1.1**		0.0078	0.0043	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Dibenz(a,h)anthracene	**0.25**		0.0078	0.0049	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Dibenzofuran	**0.018**	**J**	0.038	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
1,4-Dioxane	ND		0.077	0.012	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Fluoranthene	**1.4**		0.0078	0.0020	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Fluorene	**0.054**		0.0078	0.0015	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Indeno[1,2,3-cd]pyrene	**0.81**		0.0078	0.0038	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Naphthalene	**0.049**		0.0078	0.0015	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Nitrobenzene	ND		0.077	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Phenanthrene	**0.47**		0.0078	0.0021	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Phenol	ND		0.038	0.012	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Pyrene	**1.6**	**E**	0.0078	0.0018	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	10/27/21 18:44	10/28/21 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*74*		*37 - 107*	*10/27/21 18:44*	*10/28/21 13:04*	*1*
2-Fluorophenol (Surr)	*73*		*38 - 106*	*10/27/21 18:44*	*10/28/21 13:04*	*1*
Nitrobenzene-d5 (Surr)	*74*		*41 - 112*	*10/27/21 18:44*	*10/28/21 13:04*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A27C **Lab Sample ID: 180-128974-57**
Date Collected: 10/24/21 16:00 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 85.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*72*		*40 - 110*	*10/27/21 18:44*	*10/28/21 13:04*	*1*
Terphenyl-d14 (Surr)	*87*		*32 - 115*	*10/27/21 18:44*	*10/28/21 13:04*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*22 - 116*	*10/27/21 18:44*	*10/28/21 13:04*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.028**	**J**	0.031	0.0089	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Acenaphthylene	**0.54**		0.031	0.0068	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Anthracene	**0.30**		0.031	0.0080	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Benzo[a]anthracene	**1.1**		0.031	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Benzo[a]pyrene	**0.93**		0.031	0.013	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Benzo[b]fluoranthene	**1.4**		0.031	0.0076	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Benzo[g,h,i]perylene	**0.89**		0.031	0.0067	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Benzo[k]fluoranthene	**0.35**		0.031	0.0093	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Chrysene	**1.2**		0.031	0.017	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Dibenz(a,h)anthracene	**0.26**		0.031	0.020	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Dibenzofuran	ND		0.15	0.057	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
2,4-Dinitrotoluene	ND		0.15	0.092	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
1,4-Dioxane	ND		0.31	0.048	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Fluoranthene	**1.5**		0.031	0.0082	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Fluorene	**0.061**		0.031	0.0061	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Hexachlorobenzene	ND		0.031	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Hexachlorobutadiene	ND		0.031	0.0090	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Hexachloroethane	ND		0.15	0.055	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Indeno[1,2,3-cd]pyrene	**0.83**		0.031	0.015	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
2-Methylphenol	ND		0.15	0.044	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Methylphenol, 3 & 4	ND		0.15	0.045	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Naphthalene	**0.053**		0.031	0.0060	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Nitrobenzene	ND		0.31	0.057	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Pentachlorophenol	ND		0.79	0.25	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Phenanthrene	**0.49**		0.031	0.0083	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Phenol	ND		0.15	0.047	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Pyrene	**1.8**		0.031	0.0073	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
Pyridine	ND		0.31	0.083	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
2,4,5-Trichlorophenol	ND		0.15	0.054	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4
2,4,6-Trichlorophenol	ND		0.15	0.051	mg/Kg	☼	10/27/21 18:44	10/28/21 18:57	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*82*		*37 - 107*	*10/27/21 18:44*	*10/28/21 18:57*	*4*
2-Fluorophenol (Surr)	*80*		*38 - 106*	*10/27/21 18:44*	*10/28/21 18:57*	*4*
Nitrobenzene-d5 (Surr)	*92*		*41 - 112*	*10/27/21 18:44*	*10/28/21 18:57*	*4*
Phenol-d5 (Surr)	*82*		*40 - 110*	*10/27/21 18:44*	*10/28/21 18:57*	*4*
Terphenyl-d14 (Surr)	*91*		*32 - 115*	*10/27/21 18:44*	*10/28/21 18:57*	*4*
2,4,6-Tribromophenol (Surr)	*72*		*22 - 116*	*10/27/21 18:44*	*10/28/21 18:57*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1

Client Sample ID: SSHS-IRM5A2-A1-A27C
Lab Sample ID: 180-128974-57
Date Collected: 10/24/21 16:00 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1248	**0.45**		0.019	0.0045	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1254	**0.29**		0.019	0.0057	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1260	**0.10**		0.019	0.0054	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	10/30/21 00:41	11/05/21 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*31 - 150*	*10/30/21 00:41*	*11/05/21 01:54*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*31 - 150*	*10/30/21 00:41*	*11/05/21 01:54*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*20 - 150*	*10/30/21 00:41*	*11/05/21 01:54*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*20 - 150*	*10/30/21 00:41*	*11/05/21 01:54*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		0.79	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Barium	**65**		16	0.85	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Beryllium	**0.36**		0.32	0.018	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Cadmium	**0.041**	**J**	0.39	0.029	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Chromium	**9.6**		0.39	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Copper	**23**		2.0	1.8	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Lead	**20**		0.79	0.40	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Manganese	**430**		1.2	0.32	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Nickel	**14**		3.2	0.20	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Selenium	ND		0.79	0.41	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Silver	ND		0.39	0.083	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1
Zinc	**51**		1.6	1.2	mg/Kg	☼	10/28/21 09:41	10/29/21 20:49	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.028	0.018	mg/Kg	☼	11/01/21 07:55	11/02/21 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		0.1	0.1	%			11/01/21 17:44	1
Percent Solids	**85.7**		0.1	0.1	%			11/01/21 17:44	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	10/28/21 11:00	10/29/21 16:20	1
Cyanide, Total	**0.49**		0.47	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 13:05	1

Client Sample ID: SSHS-IRM5A2-A1-DUP1A
Lab Sample ID: 180-128974-58
Date Collected: 10/25/21 09:17 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.014	0.0026	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Benzene	ND		0.0034	0.00096	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
2-Butanone (MEK)	ND		0.0034	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Carbon tetrachloride	ND		0.0034	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Chlorobenzene	ND		0.0034	0.00088	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Chloroform	ND		0.0034	0.0011	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1

Client Sample ID: SSHS-IRM5A2-A1-DUP1A

Lab Sample ID: 180-128974-58

Date Collected: 10/25/21 09:17
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0034	0.0010	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,2-Dichlorobenzene	ND		0.0034	0.0011	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,3-Dichlorobenzene	ND		0.0034	0.0021	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,4-Dichlorobenzene	ND		0.0034	0.0010	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,1-Dichloroethane	ND		0.0034	0.0011	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,2-Dichloroethane	ND		0.0034	0.00098	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,1-Dichloroethene	ND		0.0034	0.0015	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,4-Dioxane	ND		0.68	0.024	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Ethylbenzene	ND		0.0034	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Methylene Chloride	ND		0.0034	0.0031	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Methyl tert-butyl ether	ND		0.0034	0.0010	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
n-Butylbenzene	ND		0.0034	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
N-Propylbenzene	ND		0.0034	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
sec-Butylbenzene	ND		0.0034	0.0017	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
tert-Butylbenzene	ND		0.0034	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Tetrachloroethene	ND		0.0034	0.0014	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Toluene	ND		0.0034	0.00098	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
trans-1,2-Dichloroethene	ND		0.0034	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,1,1-Trichloroethane	ND		0.0034	0.0011	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Trichloroethene	ND		0.0034	0.0011	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,2,4-Trimethylbenzene	ND		0.0034	0.0012	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
1,3,5-Trimethylbenzene	ND		0.0034	0.0013	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Vinyl chloride	ND		0.0034	0.0024	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1
Xylenes, Total	ND		0.0068	0.0049	mg/Kg	☼	10/28/21 05:59	10/28/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*10/28/21 05:59*	*10/28/21 19:25*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*10/28/21 05:59*	*10/28/21 19:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*10/28/21 05:59*	*10/28/21 19:25*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*10/28/21 05:59*	*10/28/21 19:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.4**		0.1	0.1	%			11/01/21 18:39	1
Percent Solids	**83.6**		0.1	0.1	%			11/01/21 18:39	1

Client Sample ID: SSHS-IRM5A2-A1-DUP1B

Lab Sample ID: 180-128974-59

Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.013	0.0026	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Benzene	ND		0.0033	0.00093	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
2-Butanone (MEK)	ND		0.0033	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Carbon tetrachloride	ND		0.0033	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Chlorobenzene	ND		0.0033	0.00086	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Chloroform	ND		0.0033	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
cis-1,2-Dichloroethene	ND		0.0033	0.00099	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,2-Dichlorobenzene	ND		0.0033	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-DUP1B

Lab Sample ID: 180-128974-59
Date Collected: 10/25/21 09:18
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.0033	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,4-Dichlorobenzene	ND		0.0033	0.00099	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,1-Dichloroethane	ND		0.0033	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,2-Dichloroethane	ND		0.0033	0.00095	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,1-Dichloroethene	ND		0.0033	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,4-Dioxane	ND		0.66	0.023	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Ethylbenzene	ND		0.0033	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Methylene Chloride	ND		0.0033	0.0030	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Methyl tert-butyl ether	ND		0.0033	0.00097	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
n-Butylbenzene	ND		0.0033	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
N-Propylbenzene	ND		0.0033	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
sec-Butylbenzene	ND		0.0033	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
tert-Butylbenzene	ND		0.0033	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Tetrachloroethene	ND		0.0033	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Toluene	ND		0.0033	0.00095	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
trans-1,2-Dichloroethene	ND		0.0033	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,1,1-Trichloroethane	ND		0.0033	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Trichloroethene	ND		0.0033	0.0010	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,2,4-Trimethylbenzene	ND		0.0033	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
1,3,5-Trimethylbenzene	ND		0.0033	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Vinyl chloride	ND	*+	0.0033	0.0024	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1
Xylenes, Total	ND		0.0066	0.0047	mg/Kg	☼	10/29/21 07:14	10/29/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*60 - 124*	*10/29/21 07:14*	*10/29/21 15:26*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*10/29/21 07:14*	*10/29/21 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*10/29/21 07:14*	*10/29/21 15:26*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*10/29/21 07:14*	*10/29/21 15:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.5**		0.1	0.1	%			11/01/21 18:39	1
Percent Solids	**84.5**		0.1	0.1	%			11/01/21 18:39	1

Client Sample ID: SSHS-IRM5A2-A1-DUP1C

Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 83.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.025**		0.016	0.0045	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Acenaphthylene	**0.11**		0.016	0.0034	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Anthracene	**0.12**		0.016	0.0040	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Benzo[a]anthracene	**0.38**		0.016	0.0070	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Benzo[a]pyrene	**0.27**		0.016	0.0068	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Benzo[b]fluoranthene	**0.39**		0.016	0.0038	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Benzo[g,h,i]perylene	**0.23**		0.016	0.0034	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Benzo[k]fluoranthene	**0.14**		0.016	0.0047	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Chrysene	**0.38**		0.016	0.0086	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Dibenz(a,h)anthracene	**0.074**		0.016	0.010	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.077	0.029	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
2,4-Dinitrotoluene	ND		0.077	0.047	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
1,4-Dioxane	ND		0.16	0.024	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Fluoranthene	**0.57**		0.016	0.0041	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Fluorene	**0.025**		0.016	0.0031	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Hexachlorobenzene	ND		0.016	0.0056	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Hexachlorobutadiene	ND		0.016	0.0046	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Hexachloroethane	ND		0.077	0.028	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Indeno[1,2,3-cd]pyrene	**0.23**		0.016	0.0078	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
2-Methylphenol	ND		0.077	0.022	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Methylphenol, 3 & 4	**0.031**	**J**	0.077	0.023	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Naphthalene	**0.038**		0.016	0.0030	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Nitrobenzene	ND		0.16	0.029	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Pentachlorophenol	ND		0.40	0.13	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Phenanthrene	**0.30**		0.016	0.0042	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Phenol	ND		0.077	0.024	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Pyrene	**0.55**		0.016	0.0037	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
Pyridine	ND		0.16	0.042	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
2,4,5-Trichlorophenol	ND		0.077	0.027	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2
2,4,6-Trichlorophenol	ND		0.077	0.026	mg/Kg	☼	10/27/21 18:44	10/28/21 13:26	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*37 - 107*	*10/27/21 18:44*	*10/28/21 13:26*	*2*
2-Fluorophenol (Surr)	*74*		*38 - 106*	*10/27/21 18:44*	*10/28/21 13:26*	*2*
Nitrobenzene-d5 (Surr)	*79*		*41 - 112*	*10/27/21 18:44*	*10/28/21 13:26*	*2*
Phenol-d5 (Surr)	*76*		*40 - 110*	*10/27/21 18:44*	*10/28/21 13:26*	*2*
Terphenyl-d14 (Surr)	*86*		*32 - 115*	*10/27/21 18:44*	*10/28/21 13:26*	*2*
2,4,6-Tribromophenol (Surr)	*77*		*22 - 116*	*10/27/21 18:44*	*10/28/21 13:26*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0065	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1248	**0.19**		0.020	0.0048	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1254	**0.12**		0.020	0.0060	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1260	**0.058**		0.020	0.0057	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	11/03/21 09:00	11/04/21 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*31 - 150*	*11/03/21 09:00*	*11/04/21 13:07*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*31 - 150*	*11/03/21 09:00*	*11/04/21 13:07*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*20 - 150*	*11/03/21 09:00*	*11/04/21 13:07*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*20 - 150*	*11/03/21 09:00*	*11/04/21 13:07*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		0.94	0.37	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Lab Sample ID: 180-128974-60
Date Collected: 10/23/21 10:55 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 83.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	83		19	1.0	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Beryllium	0.39		0.38	0.022	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Cadmium	ND		0.47	0.034	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Chromium	10		0.47	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Copper	18		2.4	2.2	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Lead	27		0.94	0.48	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Manganese	430		1.4	0.38	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Nickel	14		3.8	0.23	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Selenium	0.58	J	0.94	0.49	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Silver	ND		0.47	0.099	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1
Zinc	49		1.9	1.5	mg/Kg	☼	10/28/21 09:41	10/29/21 20:54	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.032	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.7		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	83.3		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.49	0.26	mg/Kg	☼	10/28/21 11:00	10/29/21 16:23	1
Cyanide, Total	0.54	J	0.57	0.31	mg/Kg	☼	11/03/21 16:45	11/04/21 13:06	1

Client Sample ID: SSHS-IRM5A2-A1-A28A
Lab Sample ID: 180-128974-61
Date Collected: 10/25/21 16:41 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 88.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.016	0.0032	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Benzene	ND		0.0041	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
2-Butanone (MEK)	ND		0.0041	0.0021	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Carbon tetrachloride	ND		0.0041	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Chlorobenzene	ND		0.0041	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Chloroform	ND		0.0041	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
cis-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,2-Dichlorobenzene	ND		0.0041	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,3-Dichlorobenzene	ND		0.0041	0.0025	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,4-Dichlorobenzene	ND		0.0041	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,1-Dichloroethane	ND		0.0041	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,2-Dichloroethane	ND		0.0041	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,1-Dichloroethene	ND		0.0041	0.0018	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,4-Dioxane	ND		0.81	0.029	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Ethylbenzene	ND		0.0041	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Methylene Chloride	ND		0.0041	0.0037	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Methyl tert-butyl ether	ND		0.0041	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
n-Butylbenzene	ND		0.0041	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
N-Propylbenzene	ND		0.0041	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
sec-Butylbenzene	ND		0.0041	0.0020	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
tert-Butylbenzene	ND		0.0041	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1

Client Sample ID: SSHS-IRM5A2-A1-A28A

Lab Sample ID: 180-128974-61
Date Collected: 10/25/21 16:41
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.0041	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Toluene	ND		0.0041	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
trans-1,2-Dichloroethene	ND		0.0041	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,1,1-Trichloroethane	ND		0.0041	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Trichloroethene	ND		0.0041	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,2,4-Trimethylbenzene	ND		0.0041	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
1,3,5-Trimethylbenzene	ND		0.0041	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Vinyl chloride	ND	*+	0.0041	0.0029	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1
Xylenes, Total	ND		0.0081	0.0059	mg/Kg	☼	10/29/21 07:14	10/29/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*10/29/21 07:14*	*10/29/21 16:12*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*10/29/21 07:14*	*10/29/21 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*10/29/21 07:14*	*10/29/21 16:12*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*10/29/21 07:14*	*10/29/21 16:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			11/01/21 18:39	1
Percent Solids	**88.2**		0.1	0.1	%			11/01/21 18:39	1

Client Sample ID: SSHS-IRM5A2-A1-A28B

Lab Sample ID: 180-128974-62
Date Collected: 10/25/21 16:42
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.015	0.0030	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Benzene	ND		0.0038	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
2-Butanone (MEK)	ND		0.0038	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Carbon tetrachloride	ND		0.0038	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Chlorobenzene	ND		0.0038	0.00099	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Chloroform	ND		0.0038	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
cis-1,2-Dichloroethene	ND		0.0038	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,2-Dichlorobenzene	ND		0.0038	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,3-Dichlorobenzene	ND		0.0038	0.0023	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,4-Dichlorobenzene	ND		0.0038	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,1-Dichloroethane	ND		0.0038	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,2-Dichloroethane	ND		0.0038	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,1-Dichloroethene	ND		0.0038	0.0017	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,4-Dioxane	ND		0.76	0.027	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Ethylbenzene	ND		0.0038	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Methylene Chloride	ND		0.0038	0.0034	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Methyl tert-butyl ether	ND		0.0038	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
n-Butylbenzene	ND		0.0038	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
N-Propylbenzene	ND		0.0038	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
sec-Butylbenzene	ND		0.0038	0.0019	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
tert-Butylbenzene	ND		0.0038	0.0016	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Tetrachloroethene	ND		0.0038	0.0015	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Toluene	ND		0.0038	0.0011	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1

Client Sample ID: SSHS-IRM5A2-A1-A28B

Lab Sample ID: 180-128974-62
Date Collected: 10/25/21 16:42
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.0038	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,1,1-Trichloroethane	ND		0.0038	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Trichloroethene	ND		0.0038	0.0012	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,2,4-Trimethylbenzene	ND		0.0038	0.0013	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
1,3,5-Trimethylbenzene	ND		0.0038	0.0014	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Vinyl chloride	ND	*+	0.0038	0.0027	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1
Xylenes, Total	ND		0.0076	0.0055	mg/Kg	☼	10/29/21 07:14	10/29/21 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*10/29/21 07:14*	*10/29/21 15:49*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*10/29/21 07:14*	*10/29/21 15:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*10/29/21 07:14*	*10/29/21 15:49*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*10/29/21 07:14*	*10/29/21 15:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			11/01/21 18:39	1
Percent Solids	**87.2**		0.1	0.1	%			11/01/21 18:39	1

Client Sample ID: SSHS-IRM5A2-A1-A28C

Lab Sample ID: 180-128974-63
Date Collected: 10/25/21 16:40
Matrix: Solid
Date Received: 10/26/21 10:00
Percent Solids: 81.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0040**	**J**	0.0080	0.0023	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Acenaphthylene	**0.027**		0.0080	0.0017	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Anthracene	**0.022**		0.0080	0.0021	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Benzo[a]anthracene	**0.059**		0.0080	0.0036	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Benzo[a]pyrene	**0.060**		0.0080	0.0035	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Benzo[b]fluoranthene	**0.092**		0.0080	0.0020	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Benzo[g,h,i]perylene	**0.079**		0.0080	0.0017	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Benzo[k]fluoranthene	**0.026**		0.0080	0.0024	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Chrysene	**0.069**		0.0080	0.0044	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Dibenz(a,h)anthracene	**0.022**		0.0080	0.0051	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Dibenzofuran	ND		0.040	0.015	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
2,4-Dinitrotoluene	ND		0.040	0.024	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
1,4-Dioxane	ND		0.080	0.012	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Fluoranthene	**0.087**		0.0080	0.0021	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Fluorene	**0.0049**	**J**	0.0080	0.0016	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Hexachlorobenzene	ND		0.0080	0.0029	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Hexachlorobutadiene	ND		0.0080	0.0023	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Hexachloroethane	ND		0.040	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Indeno[1,2,3-cd]pyrene	**0.070**		0.0080	0.0040	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
2-Methylphenol	ND		0.040	0.011	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Methylphenol, 3 & 4	ND		0.040	0.012	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Naphthalene	**0.0073**	**J**	0.0080	0.0016	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Nitrobenzene	ND		0.080	0.015	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Pentachlorophenol	ND		0.20	0.064	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Phenanthrene	**0.041**		0.0080	0.0021	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1

Client Sample ID: SSHS-IRM5A2-A1-A28C **Lab Sample ID: 180-128974-63**
Date Collected: 10/25/21 16:40 **Matrix: Solid**
Date Received: 10/26/21 10:00 **Percent Solids: 81.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.040	0.012	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Pyrene	**0.091**		0.0080	0.0019	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
Pyridine	ND		0.080	0.022	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
2,4,5-Trichlorophenol	ND		0.040	0.014	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1
2,4,6-Trichlorophenol	ND		0.040	0.013	mg/Kg	☼	10/27/21 18:44	10/28/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*37 - 107*	*10/27/21 18:44*	*10/28/21 13:48*	*1*
2-Fluorophenol (Surr)	*75*		*38 - 106*	*10/27/21 18:44*	*10/28/21 13:48*	*1*
Nitrobenzene-d5 (Surr)	*77*		*41 - 112*	*10/27/21 18:44*	*10/28/21 13:48*	*1*
Phenol-d5 (Surr)	*77*		*40 - 110*	*10/27/21 18:44*	*10/28/21 13:48*	*1*
Terphenyl-d14 (Surr)	*89*		*32 - 115*	*10/27/21 18:44*	*10/28/21 13:48*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*22 - 116*	*10/27/21 18:44*	*10/28/21 13:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0065	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1221	ND		0.020	0.0071	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1232	ND		0.020	0.0049	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1248	ND		0.020	0.0048	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1254	**0.033**		0.020	0.0060	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1260	ND		0.020	0.0057	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	11/03/21 09:00	11/04/21 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*	*11/03/21 09:00*	*11/04/21 14:03*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*	*11/03/21 09:00*	*11/04/21 14:03*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*20 - 150*	*11/03/21 09:00*	*11/04/21 14:03*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*20 - 150*	*11/03/21 09:00*	*11/04/21 14:03*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		0.76	0.30	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Barium	**78**		15	0.81	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Beryllium	**0.34**		0.30	0.017	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Cadmium	ND		0.38	0.028	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Chromium	**10**		0.38	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Copper	**20**		1.9	1.7	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Lead	**16**		0.76	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Manganese	**460**		1.1	0.31	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Nickel	**24**		3.0	0.19	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Selenium	ND		0.76	0.39	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Silver	ND		0.38	0.080	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1
Zinc	**46**		1.5	1.2	mg/Kg	☼	10/28/21 09:41	10/29/21 20:58	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.033	0.021	mg/Kg	☼	11/01/21 07:55	11/02/21 13:11	1

Client Sample ID: SSHS-IRM5A2-A1-A28C — Lab Sample ID: 180-128974-63

Date Collected: 10/25/21 16:40 — **Matrix: Solid**
Date Received: 10/26/21 10:00 — **Percent Solids: 81.9**

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.1**		0.1	0.1	%			10/28/21 14:31	1
Percent Solids	**81.9**		0.1	0.1	%			10/28/21 14:31	1
Hexavalent chromium	ND		0.48	0.26	mg/Kg	☼	10/28/21 11:00	10/29/21 16:24	1
Cyanide, Total	**0.54**	**J**	0.58	0.32	mg/Kg	☼	11/03/21 16:45	11/04/21 13:08	1

Client Sample ID: SSHS-IRM5A2-A1-A12C — Lab Sample ID: 180-128974-64

Date Collected: 10/27/21 14:30 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.023**		0.023	0.0065	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Acenaphthylene	**0.66**		0.023	0.0049	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Anthracene	**0.40**		0.023	0.0058	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Benzo[a]anthracene	**1.2**	**F1**	0.023	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Benzo[a]pyrene	**1.1**	**F1**	0.023	0.0097	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Benzo[b]fluoranthene	**1.7**	**F1**	0.023	0.0055	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Benzo[g,h,i]perylene	**1.0**	**F1**	0.023	0.0049	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Benzo[k]fluoranthene	**0.60**	**F1**	0.023	0.0067	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Chrysene	**1.3**	**F1**	0.023	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Dibenz(a,h)anthracene	**0.29**		0.023	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Dibenzofuran	ND		0.11	0.041	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
2,4-Dinitrotoluene	ND		0.11	0.067	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
1,4-Dioxane	ND	F1	0.22	0.035	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Fluoranthene	**1.4**	**F1**	0.023	0.0059	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Fluorene	**0.047**		0.023	0.0044	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Hexachlorobenzene	ND		0.023	0.0081	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Hexachlorobutadiene	ND		0.023	0.0066	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Hexachloroethane	ND		0.11	0.040	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Indeno[1,2,3-cd]pyrene	**0.97**	**F1**	0.023	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
2-Methylphenol	ND		0.11	0.032	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Methylphenol, 3 & 4	ND		0.11	0.033	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Naphthalene	**0.11**		0.023	0.0044	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Nitrobenzene	ND		0.22	0.041	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Pentachlorophenol	ND	F1	0.57	0.18	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Phenanthrene	**0.32**	**F1**	0.023	0.0060	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Phenol	ND		0.11	0.034	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Pyrene	**1.7**	**F1**	0.023	0.0053	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
Pyridine	ND	F1	0.23	0.061	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
2,4,5-Trichlorophenol	ND		0.11	0.039	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3
2,4,6-Trichlorophenol	ND		0.11	0.037	mg/Kg	☼	11/01/21 19:42	11/02/21 12:24	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*37 - 107*	*11/01/21 19:42*	*11/02/21 12:24*	*3*
2-Fluorophenol (Surr)	*51*		*38 - 106*	*11/01/21 19:42*	*11/02/21 12:24*	*3*
Nitrobenzene-d5 (Surr)	*56*		*41 - 112*	*11/01/21 19:42*	*11/02/21 12:24*	*3*
Phenol-d5 (Surr)	*53*		*40 - 110*	*11/01/21 19:42*	*11/02/21 12:24*	*3*
Terphenyl-d14 (Surr)	*58*		*32 - 115*	*11/01/21 19:42*	*11/02/21 12:24*	*3*
2,4,6-Tribromophenol (Surr)	*43*		*22 - 116*	*11/01/21 19:42*	*11/02/21 12:24*	*3*

Client Sample ID: SSHS-IRM5A2-A1-A12C
Lab Sample ID: 180-128974-64
Date Collected: 10/27/21 14:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1248	**0.56**		0.019	0.0046	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1254	**0.28**		0.019	0.0057	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1260	**0.10**		0.019	0.0054	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/04/21 11:40	11/05/21 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*31 - 150*	*11/04/21 11:40*	*11/05/21 11:46*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*31 - 150*	*11/04/21 11:40*	*11/05/21 11:46*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*20 - 150*	*11/04/21 11:40*	*11/05/21 11:46*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*20 - 150*	*11/04/21 11:40*	*11/05/21 11:46*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.2**		0.99	0.39	mg/Kg	☼	11/01/21 15:26	11/05/21 17:03	1
Barium	**64**		20	1.1	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Beryllium	**0.35**	**J**	0.40	0.023	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Cadmium	**0.10**	**J**	0.50	0.036	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Chromium	**10**		0.50	0.41	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Copper	**17**		2.5	2.3	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Lead	**20**		0.99	0.51	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Manganese	**270**		1.5	0.40	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Nickel	**14**		4.0	0.25	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Selenium	**0.53**	**J**	0.99	0.51	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Silver	ND		0.50	0.10	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1
Zinc	**44**		2.0	1.6	mg/Kg	☼	11/01/21 15:26	11/04/21 14:56	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.025	0.016	mg/Kg	☼	11/01/21 07:55	11/02/21 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.3**		0.1	0.1	%			11/01/21 17:44	1
Percent Solids	**86.7**		0.1	0.1	%			11/01/21 17:44	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/03/21 11:30	11/06/21 18:41	1
Cyanide, Total	**0.58**		0.55	0.30	mg/Kg	☼	11/03/21 16:45	11/04/21 13:10	1

Client Sample ID: SSHS-IRM5A2-A1-A14C
Lab Sample ID: 180-128974-65
Date Collected: 10/27/21 14:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 83.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.071**		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Acenaphthylene	**1.3**		0.039	0.0086	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Anthracene	**1.0**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5

Client Sample ID: SSHS-IRM5A2-A1-A14C **Lab Sample ID: 180-128974-65**
Date Collected: 10/27/21 14:50 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 83.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**3.3**		0.039	0.018	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Benzo[a]pyrene	**2.4**		0.039	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Benzo[b]fluoranthene	**3.8**		0.039	0.0096	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Benzo[g,h,i]perylene	**2.1**		0.039	0.0085	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Benzo[k]fluoranthene	**1.2**		0.039	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Chrysene	**3.3**		0.039	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Dibenz(a,h)anthracene	**0.62**		0.039	0.025	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Dibenzofuran	ND		0.19	0.072	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
2,4-Dinitrotoluene	ND		0.19	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
1,4-Dioxane	ND		0.39	0.061	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Fluoranthene	**5.7**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Fluorene	**0.17**		0.039	0.0077	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Hexachloroethane	ND		0.19	0.069	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Indeno[1,2,3-cd]pyrene	**2.0**		0.039	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
2-Methylphenol	ND		0.19	0.056	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Methylphenol, 3 & 4	ND		0.19	0.058	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Naphthalene	**0.12**		0.039	0.0076	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Nitrobenzene	ND		0.39	0.072	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Pentachlorophenol	ND		1.0	0.32	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Phenanthrene	**2.5**		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Phenol	ND		0.19	0.059	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Pyrene	**5.6**		0.039	0.0093	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
Pyridine	ND		0.39	0.11	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
2,4,5-Trichlorophenol	ND		0.19	0.068	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5
2,4,6-Trichlorophenol	ND		0.19	0.065	mg/Kg	☼	11/01/21 19:42	11/02/21 13:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*37 - 107*	*11/01/21 19:42*	*11/02/21 13:29*	*5*
2-Fluorophenol (Surr)	*61*		*38 - 106*	*11/01/21 19:42*	*11/02/21 13:29*	*5*
Nitrobenzene-d5 (Surr)	*61*		*41 - 112*	*11/01/21 19:42*	*11/02/21 13:29*	*5*
Phenol-d5 (Surr)	*63*		*40 - 110*	*11/01/21 19:42*	*11/02/21 13:29*	*5*
Terphenyl-d14 (Surr)	*65*		*32 - 115*	*11/01/21 19:42*	*11/02/21 13:29*	*5*
2,4,6-Tribromophenol (Surr)	*58*		*22 - 116*	*11/01/21 19:42*	*11/02/21 13:29*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0065	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1248	**1.3**		0.020	0.0048	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1254	**0.49**		0.020	0.0060	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1260	**0.070**		0.020	0.0057	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	11/04/21 11:40	11/05/21 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*	*11/04/21 11:40*	*11/05/21 12:42*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A14C
Lab Sample ID: 180-128974-65
Date Collected: 10/27/21 14:50 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 83.9**

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*31 - 150*	*11/04/21 11:40*	*11/05/21 12:42*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*20 - 150*	*11/04/21 11:40*	*11/05/21 12:42*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*20 - 150*	*11/04/21 11:40*	*11/05/21 12:42*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		1.1	0.43	mg/Kg	☼	11/01/21 15:26	11/05/21 17:08	1
Barium	**110**		22	1.2	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Beryllium	**0.42**	**J**	0.44	0.025	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Cadmium	**0.29**	**J**	0.55	0.040	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Chromium	**11**		0.55	0.45	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Copper	**20**		2.8	2.5	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Lead	**56**		1.1	0.56	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Manganese	**340**		1.7	0.45	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Nickel	**13**		4.4	0.27	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Selenium	**0.64**	**J**	1.1	0.57	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Silver	ND		0.55	0.12	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1
Zinc	**66**		2.2	1.7	mg/Kg	☼	11/01/21 15:26	11/04/21 15:00	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**		0.036	0.023	mg/Kg	☼	11/01/21 07:55	11/02/21 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.1**		0.1	0.1	%			11/01/21 17:44	1
Percent Solids	**83.9**		0.1	0.1	%			11/01/21 17:44	1
Hexavalent chromium	ND		0.48	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:42	1
Cyanide, Total	**0.87**		0.54	0.29	mg/Kg	☼	11/03/21 16:45	11/04/21 13:11	1

Client Sample ID: SSHS-IRM5A2-A1-A15C
Lab Sample ID: 180-128974-66
Date Collected: 10/27/21 14:40 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 81.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.048**		0.040	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Acenaphthylene	**0.91**		0.040	0.0087	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Anthracene	**0.57**		0.040	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Benzo[a]anthracene	**1.7**		0.040	0.018	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Benzo[a]pyrene	**1.5**		0.040	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Benzo[b]fluoranthene	**2.3**		0.040	0.0098	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Benzo[g,h,i]perylene	**1.3**		0.040	0.0086	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Benzo[k]fluoranthene	**0.68**		0.040	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Chrysene	**2.0**		0.040	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Dibenz(a,h)anthracene	**0.38**		0.040	0.025	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Dibenzofuran	ND		0.20	0.073	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
2,4-Dinitrotoluene	ND		0.20	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
1,4-Dioxane	ND		0.40	0.062	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Fluoranthene	**2.7**		0.040	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5

Client Sample ID: SSHS-IRM5A2-A1-A15C **Lab Sample ID: 180-128974-66**
Date Collected: 10/27/21 14:40 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 81.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.095**		0.040	0.0078	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Hexachlorobenzene	ND		0.040	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Hexachlorobutadiene	ND		0.040	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Hexachloroethane	ND		0.20	0.070	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Indeno[1,2,3-cd]pyrene	**1.2**		0.040	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
2-Methylphenol	ND		0.20	0.057	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Methylphenol, 3 & 4	ND		0.20	0.058	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Naphthalene	**0.098**		0.040	0.0078	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Nitrobenzene	ND		0.40	0.073	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Pentachlorophenol	ND		1.0	0.32	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Phenanthrene	**0.82**		0.040	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Phenol	ND		0.20	0.060	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Pyrene	**2.8**		0.040	0.0094	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
Pyridine	ND		0.40	0.11	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
2,4,5-Trichlorophenol	ND		0.20	0.069	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5
2,4,6-Trichlorophenol	ND		0.20	0.066	mg/Kg	☼	11/01/21 19:42	11/02/21 13:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*37 - 107*	*11/01/21 19:42*	*11/02/21 13:50*	*5*
2-Fluorophenol (Surr)	*64*		*38 - 106*	*11/01/21 19:42*	*11/02/21 13:50*	*5*
Nitrobenzene-d5 (Surr)	*62*		*41 - 112*	*11/01/21 19:42*	*11/02/21 13:50*	*5*
Phenol-d5 (Surr)	*66*		*40 - 110*	*11/01/21 19:42*	*11/02/21 13:50*	*5*
Terphenyl-d14 (Surr)	*65*		*32 - 115*	*11/01/21 19:42*	*11/02/21 13:50*	*5*
2,4,6-Tribromophenol (Surr)	*57*		*22 - 116*	*11/01/21 19:42*	*11/02/21 13:50*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0066	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1221	ND		0.020	0.0071	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1232	ND		0.020	0.0049	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1242	ND		0.020	0.0030	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1248	**1.1**		0.020	0.0048	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1254	**0.46**		0.020	0.0060	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1260	**0.15**		0.020	0.0057	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1262	ND		0.020	0.0071	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	11/04/21 11:40	11/05/21 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:00*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:00*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		1.1	0.42	mg/Kg	☼	11/01/21 15:26	11/05/21 17:12	1
Barium	**80**		22	1.2	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Beryllium	**0.37**	**J**	0.43	0.025	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Cadmium	**0.19**	**J**	0.54	0.039	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Chromium	**11**		0.54	0.45	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1

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

Job ID: 180-128974-1

Client Sample ID: SSHS-IRM5A2-A1-A15C
Date Collected: 10/27/21 14:40
Date Received: 10/28/21 10:00

Lab Sample ID: 180-128974-66
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	24		2.7	2.5	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Lead	30		1.1	0.55	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Manganese	370		1.6	0.44	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Nickel	17		4.3	0.27	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Selenium	ND		1.1	0.56	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Silver	ND		0.54	0.11	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1
Zinc	69		2.2	1.7	mg/Kg	☼	11/01/21 15:26	11/04/21 15:05	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060		0.033	0.021	mg/Kg	☼	11/01/21 07:57	11/02/21 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.4		0.1	0.1	%			11/01/21 17:44	1
Percent Solids	81.6		0.1	0.1	%			11/01/21 17:44	1
Hexavalent chromium	0.26	J	0.48	0.26	mg/Kg	☼	11/03/21 11:30	11/06/21 18:43	1
Cyanide, Total	0.51		0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 13:13	1

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

Lab Sample ID: MB 180-376667/8
Matrix: Solid
Analysis Batch: 376667

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/27/21 10:39	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/27/21 10:39	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/27/21 10:39	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/27/21 10:39	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/27/21 10:39	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/27/21 10:39	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/27/21 10:39	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/27/21 10:39	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/27/21 10:39	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/27/21 10:39	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/27/21 10:39	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/27/21 10:39	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/27/21 10:39	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/27/21 10:39	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/27/21 10:39	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/27/21 10:39	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/27/21 10:39	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/27/21 10:39	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/27/21 10:39	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/27/21 10:39	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/27/21 10:39	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/27/21 10:39	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/27/21 10:39	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/27/21 10:39	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/27/21 10:39	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/27/21 10:39	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/27/21 10:39	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/27/21 10:39	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/27/21 10:39	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/27/21 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*		*10/27/21 10:39*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*		*10/27/21 10:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*		*10/27/21 10:39*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*		*10/27/21 10:39*	*1*

Lab Sample ID: LCS 180-376667/5
Matrix: Solid
Analysis Batch: 376667

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0419		mg/Kg		105	23 - 170
Benzene	0.0400	0.0384		mg/Kg		96	77 - 120
2-Butanone (MEK)	0.0400	0.0400		mg/Kg		100	39 - 157
Carbon tetrachloride	0.0400	0.0428		mg/Kg		107	73 - 130
Chlorobenzene	0.0400	0.0410		mg/Kg		103	79 - 122
Chloroform	0.0400	0.0399		mg/Kg		100	73 - 126

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

Lab Sample ID: LCS 180-376667/5
Matrix: Solid
Analysis Batch: 376667

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0412		mg/Kg		103	77 - 118
1,2-Dichlorobenzene	0.0400	0.0396		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0391		mg/Kg		98	77 - 121
1,4-Dichlorobenzene	0.0400	0.0394		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0364		mg/Kg		91	73 - 124
1,2-Dichloroethane	0.0400	0.0417		mg/Kg		104	64 - 140
1,1-Dichloroethene	0.0400	0.0387		mg/Kg		97	55 - 136
1,4-Dioxane	0.800	0.869	J	mg/Kg		109	18 - 166
Ethylbenzene	0.0400	0.0392		mg/Kg		98	79 - 119
Methylene Chloride	0.0400	0.0399		mg/Kg		100	67 - 131
Methyl tert-butyl ether	0.0400	0.0378		mg/Kg		95	58 - 132
n-Butylbenzene	0.0400	0.0310		mg/Kg		77	64 - 136
N-Propylbenzene	0.0400	0.0360		mg/Kg		90	71 - 127
sec-Butylbenzene	0.0400	0.0330		mg/Kg		82	65 - 130
tert-Butylbenzene	0.0400	0.0351		mg/Kg		88	69 - 133
Tetrachloroethene	0.0400	0.0424		mg/Kg		106	71 - 121
Toluene	0.0400	0.0376		mg/Kg		94	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0390		mg/Kg		97	75 - 122
1,1,1-Trichloroethane	0.0400	0.0411		mg/Kg		103	72 - 134
Trichloroethene	0.0400	0.0431		mg/Kg		108	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0352		mg/Kg		88	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0354		mg/Kg		88	69 - 131
Vinyl chloride	0.0400	0.0320		mg/Kg		80	64 - 134
Xylenes, Total	0.0800	0.0792		mg/Kg		99	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*
Dibromofluoromethane (Surr)	*87*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*
Toluene-d8 (Surr)	*77*		*67 - 134*

Lab Sample ID: LCSD 180-376667/4
Matrix: Solid
Analysis Batch: 376667

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0374		mg/Kg		93	23 - 170	11	35
Benzene	0.0400	0.0379		mg/Kg		95	77 - 120	1	20
2-Butanone (MEK)	0.0400	0.0442		mg/Kg		111	39 - 157	10	33
Carbon tetrachloride	0.0400	0.0428		mg/Kg		107	73 - 130	0	21
Chlorobenzene	0.0400	0.0401		mg/Kg		100	79 - 122	2	20
Chloroform	0.0400	0.0396		mg/Kg		99	73 - 126	1	20
cis-1,2-Dichloroethene	0.0400	0.0410		mg/Kg		103	77 - 118	0	20
1,2-Dichlorobenzene	0.0400	0.0405		mg/Kg		101	76 - 120	2	20
1,3-Dichlorobenzene	0.0400	0.0392		mg/Kg		98	77 - 121	0	20
1,4-Dichlorobenzene	0.0400	0.0395		mg/Kg		99	79 - 120	0	20
1,1-Dichloroethane	0.0400	0.0365		mg/Kg		91	73 - 124	0	20
1,2-Dichloroethane	0.0400	0.0424		mg/Kg		106	64 - 140	2	20

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

Lab Sample ID: LCSD 180-376667/4
Matrix: Solid
Analysis Batch: 376667

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0381		mg/Kg		95	55 - 136	1	21
1,4-Dioxane			0.800	0.818	J	mg/Kg		102	18 - 166	6	40
Ethylbenzene			0.0400	0.0381		mg/Kg		95	79 - 119	3	20
Methylene Chloride			0.0400	0.0390		mg/Kg		97	67 - 131	2	32
Methyl tert-butyl ether			0.0400	0.0384		mg/Kg		96	58 - 132	2	24
n-Butylbenzene			0.0400	0.0328		mg/Kg		82	64 - 136	6	21
N-Propylbenzene			0.0400	0.0367		mg/Kg		92	71 - 127	2	20
sec-Butylbenzene			0.0400	0.0340		mg/Kg		85	65 - 130	3	20
tert-Butylbenzene			0.0400	0.0362		mg/Kg		90	69 - 133	3	23
Tetrachloroethene			0.0400	0.0415		mg/Kg		104	71 - 121	2	21
Toluene			0.0400	0.0367		mg/Kg		92	76 - 120	3	20
trans-1,2-Dichloroethene			0.0400	0.0388		mg/Kg		97	75 - 122	0	20
1,1,1-Trichloroethane			0.0400	0.0419		mg/Kg		105	72 - 134	2	20
Trichloroethene			0.0400	0.0430		mg/Kg		107	69 - 118	0	20
1,2,4-Trimethylbenzene			0.0400	0.0356		mg/Kg		89	74 - 127	1	20
1,3,5-Trimethylbenzene			0.0400	0.0354		mg/Kg		89	69 - 131	0	20
Vinyl chloride			0.0400	0.0327		mg/Kg		82	64 - 134	2	23
Xylenes, Total			0.0800	0.0780		mg/Kg		98	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*
Toluene-d8 (Surr)	*80*		*67 - 134*

Lab Sample ID: MB 180-376795/7
Matrix: Solid
Analysis Batch: 376795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/28/21 10:09	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/28/21 10:09	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/28/21 10:09	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/28/21 10:09	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/28/21 10:09	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/28/21 10:09	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/28/21 10:09	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/28/21 10:09	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/28/21 10:09	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/28/21 10:09	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/28/21 10:09	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/28/21 10:09	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/28/21 10:09	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/28/21 10:09	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/28/21 10:09	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/28/21 10:09	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/28/21 10:09	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/28/21 10:09	1

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

Lab Sample ID: MB 180-376795/7
Matrix: Solid
Analysis Batch: 376795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/28/21 10:09	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/28/21 10:09	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/28/21 10:09	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/28/21 10:09	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/28/21 10:09	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/28/21 10:09	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/28/21 10:09	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/28/21 10:09	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/28/21 10:09	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/28/21 10:09	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/28/21 10:09	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/28/21 10:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*10/28/21 10:09*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*		*10/28/21 10:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*		*10/28/21 10:09*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*10/28/21 10:09*	*1*

Lab Sample ID: LCS 180-376795/5
Matrix: Solid
Analysis Batch: 376795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0340		mg/Kg		85	23 - 170
Benzene	0.0400	0.0367		mg/Kg		92	77 - 120
2-Butanone (MEK)	0.0400	0.0347		mg/Kg		87	39 - 157
Carbon tetrachloride	0.0400	0.0421		mg/Kg		105	73 - 130
Chlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0379		mg/Kg		95	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0386		mg/Kg		96	77 - 118
1,2-Dichlorobenzene	0.0400	0.0392		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0389		mg/Kg		97	77 - 121
1,4-Dichlorobenzene	0.0400	0.0388		mg/Kg		97	79 - 120
1,1-Dichloroethane	0.0400	0.0348		mg/Kg		87	73 - 124
1,2-Dichloroethane	0.0400	0.0383		mg/Kg		96	64 - 140
1,1-Dichloroethene	0.0400	0.0381		mg/Kg		95	55 - 136
1,4-Dioxane	0.800	0.684	J	mg/Kg		86	18 - 166
Ethylbenzene	0.0400	0.0388		mg/Kg		97	79 - 119
Methylene Chloride	0.0400	0.0366		mg/Kg		92	67 - 131
Methyl tert-butyl ether	0.0400	0.0348		mg/Kg		87	58 - 132
n-Butylbenzene	0.0400	0.0313		mg/Kg		78	64 - 136
N-Propylbenzene	0.0400	0.0365		mg/Kg		91	71 - 127
sec-Butylbenzene	0.0400	0.0328		mg/Kg		82	65 - 130
tert-Butylbenzene	0.0400	0.0350		mg/Kg		87	69 - 133
Tetrachloroethene	0.0400	0.0428		mg/Kg		107	71 - 121
Toluene	0.0400	0.0370		mg/Kg		92	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0390		mg/Kg		97	75 - 122

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

Lab Sample ID: LCS 180-376795/5
Matrix: Solid
Analysis Batch: 376795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0400	0.0409		mg/Kg		102	72 - 134
Trichloroethene	0.0400	0.0420		mg/Kg		105	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0354		mg/Kg		88	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0355		mg/Kg		89	69 - 131
Vinyl chloride	0.0400	0.0324		mg/Kg		81	64 - 134
Xylenes, Total	0.0800	0.0778		mg/Kg		97	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*87*		*67 - 134*

Lab Sample ID: MB 180-376815/6
Matrix: Solid
Analysis Batch: 376815

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/28/21 12:39	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/28/21 12:39	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/28/21 12:39	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/28/21 12:39	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/28/21 12:39	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/28/21 12:39	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/28/21 12:39	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/28/21 12:39	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/28/21 12:39	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/28/21 12:39	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/28/21 12:39	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/28/21 12:39	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/28/21 12:39	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/28/21 12:39	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/28/21 12:39	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/28/21 12:39	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/28/21 12:39	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/28/21 12:39	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/28/21 12:39	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/28/21 12:39	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/28/21 12:39	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/28/21 12:39	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/28/21 12:39	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/28/21 12:39	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/28/21 12:39	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/28/21 12:39	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/28/21 12:39	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/28/21 12:39	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/28/21 12:39	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/28/21 12:39	1

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

Lab Sample ID: MB 180-376815/6
Matrix: Solid
Analysis Batch: 376815

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*		*10/28/21 12:39*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*		*10/28/21 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*		*10/28/21 12:39*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*		*10/28/21 12:39*	*1*

Lab Sample ID: LCS 180-376815/3
Matrix: Solid
Analysis Batch: 376815

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0383		mg/Kg		96	23 - 170
Benzene	0.0400	0.0402		mg/Kg		100	77 - 120
2-Butanone (MEK)	0.0400	0.0318		mg/Kg		80	39 - 157
Carbon tetrachloride	0.0400	0.0422		mg/Kg		106	73 - 130
Chlorobenzene	0.0400	0.0417		mg/Kg		104	79 - 122
Chloroform	0.0400	0.0401		mg/Kg		100	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0398		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0400		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0414		mg/Kg		104	77 - 121
1,4-Dichlorobenzene	0.0400	0.0416		mg/Kg		104	79 - 120
1,1-Dichloroethane	0.0400	0.0398		mg/Kg		99	73 - 124
1,2-Dichloroethane	0.0400	0.0392		mg/Kg		98	64 - 140
1,1-Dichloroethene	0.0400	0.0396		mg/Kg		99	55 - 136
1,4-Dioxane	0.800	0.666	J	mg/Kg		83	18 - 166
Ethylbenzene	0.0400	0.0432		mg/Kg		108	79 - 119
Methylene Chloride	0.0400	0.0409		mg/Kg		102	67 - 131
Methyl tert-butyl ether	0.0400	0.0351		mg/Kg		88	58 - 132
n-Butylbenzene	0.0400	0.0428		mg/Kg		107	64 - 136
N-Propylbenzene	0.0400	0.0437		mg/Kg		109	71 - 127
sec-Butylbenzene	0.0400	0.0442		mg/Kg		111	65 - 130
tert-Butylbenzene	0.0400	0.0437		mg/Kg		109	69 - 133
Tetrachloroethene	0.0400	0.0426		mg/Kg		107	71 - 121
Toluene	0.0400	0.0417		mg/Kg		104	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0398		mg/Kg		100	75 - 122
1,1,1-Trichloroethane	0.0400	0.0424		mg/Kg		106	72 - 134
Trichloroethene	0.0400	0.0406		mg/Kg		101	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0439		mg/Kg		110	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0423		mg/Kg		106	69 - 131
Vinyl chloride	0.0400	0.0466		mg/Kg		117	64 - 134
Xylenes, Total	0.0800	0.0852		mg/Kg		107	78 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*
Toluene-d8 (Surr)	*95*		*67 - 134*

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

Lab Sample ID: 180-128974-31 MS
Matrix: Solid
Analysis Batch: 376795

Client Sample ID: SSHS-IRM5A2-A1-A20A
Prep Type: Total/NA
Prep Batch: 376820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0424	0.0131	J	mg/Kg	☼	31	23 - 170
Benzene	ND		0.0424	0.0364		mg/Kg	☼	86	77 - 120
2-Butanone (MEK)	ND		0.0424	0.0271		mg/Kg	☼	64	39 - 157
Carbon tetrachloride	ND		0.0424	0.0412		mg/Kg	☼	97	73 - 130
Chlorobenzene	ND		0.0424	0.0379		mg/Kg	☼	89	79 - 122
Chloroform	ND		0.0424	0.0401		mg/Kg	☼	95	73 - 126
cis-1,2-Dichloroethene	ND		0.0424	0.0391		mg/Kg	☼	92	77 - 118
1,2-Dichlorobenzene	ND		0.0424	0.0388		mg/Kg	☼	91	76 - 120
1,3-Dichlorobenzene	ND		0.0424	0.0382		mg/Kg	☼	90	77 - 121
1,4-Dichlorobenzene	ND		0.0424	0.0380		mg/Kg	☼	90	79 - 120
1,1-Dichloroethane	ND		0.0424	0.0354		mg/Kg	☼	83	73 - 124
1,2-Dichloroethane	ND		0.0424	0.0409		mg/Kg	☼	96	64 - 140
1,1-Dichloroethene	ND		0.0424	0.0386		mg/Kg	☼	91	55 - 136
1,4-Dioxane	ND		0.848	0.638	J	mg/Kg	☼	75	18 - 166
Ethylbenzene	ND		0.0424	0.0381		mg/Kg	☼	90	79 - 119
Methylene Chloride	ND		0.0424	0.0386		mg/Kg	☼	91	67 - 131
Methyl tert-butyl ether	ND		0.0424	0.0376		mg/Kg	☼	89	58 - 132
n-Butylbenzene	ND		0.0424	0.0285		mg/Kg	☼	67	64 - 136
N-Propylbenzene	ND		0.0424	0.0411		mg/Kg	☼	97	71 - 127
sec-Butylbenzene	ND		0.0424	0.0360		mg/Kg	☼	85	65 - 130
tert-Butylbenzene	ND		0.0424	0.0412		mg/Kg	☼	97	69 - 133
Tetrachloroethene	ND		0.0424	0.0425		mg/Kg	☼	100	71 - 121
Toluene	ND		0.0424	0.0383		mg/Kg	☼	90	76 - 120
trans-1,2-Dichloroethene	ND		0.0424	0.0376		mg/Kg	☼	89	75 - 122
1,1,1-Trichloroethane	ND		0.0424	0.0394		mg/Kg	☼	93	72 - 134
Trichloroethene	ND		0.0424	0.0389		mg/Kg	☼	92	69 - 118
1,2,4-Trimethylbenzene	ND		0.0424	0.0394		mg/Kg	☼	93	74 - 127
1,3,5-Trimethylbenzene	ND		0.0424	0.0402		mg/Kg	☼	95	69 - 131
Vinyl chloride	ND		0.0424	0.0328		mg/Kg	☼	77	64 - 134
Xylenes, Total	ND		0.0848	0.0761		mg/Kg	☼	90	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*
Dibromofluoromethane (Surr)	*87*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*
Toluene-d8 (Surr)	*83*		*67 - 134*

Lab Sample ID: 180-128974-31 MSD
Matrix: Solid
Analysis Batch: 376795

Client Sample ID: SSHS-IRM5A2-A1-A20A
Prep Type: Total/NA
Prep Batch: 376820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0433	0.0154	J	mg/Kg	☼	35	23 - 170	16	35
Benzene	ND		0.0433	0.0365		mg/Kg	☼	84	77 - 120	0	20
2-Butanone (MEK)	ND		0.0433	0.0220		mg/Kg	☼	51	39 - 157	21	33
Carbon tetrachloride	ND		0.0433	0.0410		mg/Kg	☼	95	73 - 130	0	21
Chlorobenzene	ND		0.0433	0.0390		mg/Kg	☼	90	79 - 122	3	20
Chloroform	ND		0.0433	0.0402		mg/Kg	☼	93	73 - 126	0	20

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

Lab Sample ID: 180-128974-31 MSD
Matrix: Solid
Analysis Batch: 376795

Client Sample ID: SSHS-IRM5A2-A1-A20A
Prep Type: Total/NA
Prep Batch: 376820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND		0.0433	0.0394		mg/Kg	☼	91	77 - 118	1	20
1,2-Dichlorobenzene	ND		0.0433	0.0406		mg/Kg	☼	94	76 - 120	5	20
1,3-Dichlorobenzene	ND		0.0433	0.0397		mg/Kg	☼	92	77 - 121	4	20
1,4-Dichlorobenzene	ND		0.0433	0.0394		mg/Kg	☼	91	79 - 120	4	20
1,1-Dichloroethane	ND		0.0433	0.0358		mg/Kg	☼	83	73 - 124	1	20
1,2-Dichloroethane	ND		0.0433	0.0420		mg/Kg	☼	97	64 - 140	3	20
1,1-Dichloroethene	ND		0.0433	0.0367		mg/Kg	☼	85	55 - 136	5	21
1,4-Dioxane	ND		0.866	0.813	J	mg/Kg	☼	94	18 - 166	24	40
Ethylbenzene	ND		0.0433	0.0389		mg/Kg	☼	90	79 - 119	2	20
Methylene Chloride	ND		0.0433	0.0374		mg/Kg	☼	86	67 - 131	3	32
Methyl tert-butyl ether	ND		0.0433	0.0390		mg/Kg	☼	90	58 - 132	4	24
n-Butylbenzene	ND		0.0433	0.0296		mg/Kg	☼	68	64 - 136	4	21
N-Propylbenzene	ND		0.0433	0.0420		mg/Kg	☼	97	71 - 127	2	20
sec-Butylbenzene	ND		0.0433	0.0376		mg/Kg	☼	87	65 - 130	4	20
tert-Butylbenzene	ND		0.0433	0.0436		mg/Kg	☼	101	69 - 133	6	23
Tetrachloroethene	ND		0.0433	0.0416		mg/Kg	☼	96	71 - 121	2	21
Toluene	ND		0.0433	0.0390		mg/Kg	☼	90	76 - 120	2	20
trans-1,2-Dichloroethene	ND		0.0433	0.0372		mg/Kg	☼	86	75 - 122	1	20
1,1,1-Trichloroethane	ND		0.0433	0.0394		mg/Kg	☼	91	72 - 134	0	20
Trichloroethene	ND		0.0433	0.0395		mg/Kg	☼	91	69 - 118	1	20
1,2,4-Trimethylbenzene	ND		0.0433	0.0407		mg/Kg	☼	94	74 - 127	3	20
1,3,5-Trimethylbenzene	ND		0.0433	0.0417		mg/Kg	☼	96	69 - 131	4	20
Vinyl chloride	ND		0.0433	0.0307		mg/Kg	☼	71	64 - 134	7	23
Xylenes, Total	ND		0.0866	0.0770		mg/Kg	☼	89	78 - 118	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Lab Sample ID: 180-128974-32 MSD
Matrix: Solid
Analysis Batch: 376815

Client Sample ID: SSHS-IRM5A2-A1-A20B
Prep Type: Total/NA
Prep Batch: 376881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	F2	0.0421	0.0315	F2	mg/Kg	☼	75	23 - 170	102	35
Benzene	ND	F2 F1	0.0421	0.0424	F2	mg/Kg	☼	101	77 - 120	39	20
2-Butanone (MEK)	ND		0.0421	0.0255		mg/Kg	☼	61	39 - 157	19	33
Carbon tetrachloride	ND	F2	0.0421	0.0445	F2	mg/Kg	☼	106	73 - 130	42	21
Chlorobenzene	ND	F2 F1	0.0421	0.0442	F2	mg/Kg	☼	105	79 - 122	48	20
Chloroform	ND	F2	0.0421	0.0431	F2	mg/Kg	☼	102	73 - 126	36	20
cis-1,2-Dichloroethene	ND	F2	0.0421	0.0409	F2	mg/Kg	☼	97	77 - 118	32	20
1,2-Dichlorobenzene	ND	*3 F2 F1	0.0421	0.0426	F2	mg/Kg	☼	101	76 - 120	45	20
1,3-Dichlorobenzene	ND	*3 F2 F1	0.0421	0.0444	F2	mg/Kg	☼	105	77 - 121	46	20
1,4-Dichlorobenzene	ND	*3 F2 F1	0.0421	0.0437	F2	mg/Kg	☼	104	79 - 120	48	20
1,1-Dichloroethane	ND	F2	0.0421	0.0429	F2	mg/Kg	☼	102	73 - 124	35	20
1,2-Dichloroethane	ND	F2	0.0421	0.0388	F2	mg/Kg	☼	92	64 - 140	35	20

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

Lab Sample ID: 180-128974-32 MSD
Matrix: Solid
Analysis Batch: 376815

Client Sample ID: SSHS-IRM5A2-A1-A20B
Prep Type: Total/NA
Prep Batch: 376881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND	F2	0.0421	0.0414	F2	mg/Kg	☼	98	55 - 136	53	21
1,4-Dioxane	ND	F2	0.842	0.508	J F2	mg/Kg	☼	60	18 - 166	69	40
Ethylbenzene	ND	F2 F1	0.0421	0.0474	F2	mg/Kg	☼	113	79 - 119	48	20
Methylene Chloride	ND	F2 F1	0.0421	0.0402	F2	mg/Kg	☼	96	67 - 131	49	32
Methyl tert-butyl ether	ND	F2	0.0421	0.0344	F2	mg/Kg	☼	82	58 - 132	28	24
n-Butylbenzene	ND	*3 F2 F1	0.0421	0.0481	F2	mg/Kg	☼	114	64 - 136	73	21
N-Propylbenzene	ND	*3 F2	0.0421	0.0528	F2	mg/Kg	☼	125	71 - 127	46	20
sec-Butylbenzene	ND	*3 F2	0.0421	0.0545	F2	mg/Kg	☼	129	65 - 130	60	20
tert-Butylbenzene	ND	*3 F2	0.0421	0.0560	F2	mg/Kg	☼	133	69 - 133	49	23
Tetrachloroethene	ND	F2	0.0421	0.0453	F2	mg/Kg	☼	108	71 - 121	44	21
Toluene	ND	F2	0.0421	0.0467	F2	mg/Kg	☼	111	76 - 120	46	20
trans-1,2-Dichloroethene	ND	F2 F1	0.0421	0.0405	F2	mg/Kg	☼	96	75 - 122	37	20
1,1,1-Trichloroethane	ND	F2	0.0421	0.0449	F2	mg/Kg	☼	107	72 - 134	41	20
Trichloroethene	ND	F2	0.0421	0.0409	F2	mg/Kg	☼	97	69 - 118	36	20
1,2,4-Trimethylbenzene	ND	*3 F1 F2	0.0421	0.0539	F1 F2	mg/Kg	☼	128	74 - 127	54	20
1,3,5-Trimethylbenzene	ND	*3 F2	0.0421	0.0539	F2	mg/Kg	☼	128	69 - 131	49	20
Vinyl chloride	ND	F2 F1	0.0421	0.0527	F2	mg/Kg	☼	125	64 - 134	75	23
Xylenes, Total	ND	F2 F1	0.0842	0.0930	F2	mg/Kg	☼	110	78 - 118	47	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: MB 180-376951/6
Matrix: Solid
Analysis Batch: 376951

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			10/29/21 12:43	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/29/21 12:43	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			10/29/21 12:43	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/29/21 12:43	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/29/21 12:43	1
Chloroform	ND		0.0050	0.0016	mg/Kg			10/29/21 12:43	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/29/21 12:43	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/29/21 12:43	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/29/21 12:43	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/29/21 12:43	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/29/21 12:43	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/29/21 12:43	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/29/21 12:43	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			10/29/21 12:43	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/29/21 12:43	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/29/21 12:43	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/29/21 12:43	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/29/21 12:43	1

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

Lab Sample ID: MB 180-376951/6
Matrix: Solid
Analysis Batch: 376951

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/29/21 12:43	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/29/21 12:43	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/29/21 12:43	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/29/21 12:43	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/29/21 12:43	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/29/21 12:43	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/29/21 12:43	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/29/21 12:43	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/29/21 12:43	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/29/21 12:43	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/29/21 12:43	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/29/21 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*		*10/29/21 12:43*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*		*10/29/21 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*		*10/29/21 12:43*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*		*10/29/21 12:43*	*1*

Lab Sample ID: LCS 180-376951/3
Matrix: Solid
Analysis Batch: 376951

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0345		mg/Kg		86	23 - 170
Benzene	0.0400	0.0431		mg/Kg		108	77 - 120
2-Butanone (MEK)	0.0400	0.0260		mg/Kg		65	39 - 157
Carbon tetrachloride	0.0400	0.0455		mg/Kg		114	73 - 130
Chlorobenzene	0.0400	0.0438		mg/Kg		110	79 - 122
Chloroform	0.0400	0.0428		mg/Kg		107	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0426		mg/Kg		107	77 - 118
1,2-Dichlorobenzene	0.0400	0.0421		mg/Kg		105	76 - 120
1,3-Dichlorobenzene	0.0400	0.0432		mg/Kg		108	77 - 121
1,4-Dichlorobenzene	0.0400	0.0432		mg/Kg		108	79 - 120
1,1-Dichloroethane	0.0400	0.0434		mg/Kg		109	73 - 124
1,2-Dichloroethane	0.0400	0.0393		mg/Kg		98	64 - 140
1,1-Dichloroethene	0.0400	0.0466		mg/Kg		117	55 - 136
1,4-Dioxane	0.800	0.624	J	mg/Kg		78	18 - 166
Ethylbenzene	0.0400	0.0466		mg/Kg		116	79 - 119
Methylene Chloride	0.0400	0.0431		mg/Kg		108	67 - 131
Methyl tert-butyl ether	0.0400	0.0368		mg/Kg		92	58 - 132
n-Butylbenzene	0.0400	0.0473		mg/Kg		118	64 - 136
N-Propylbenzene	0.0400	0.0472		mg/Kg		118	71 - 127
sec-Butylbenzene	0.0400	0.0477		mg/Kg		119	65 - 130
tert-Butylbenzene	0.0400	0.0471		mg/Kg		118	69 - 133
Tetrachloroethene	0.0400	0.0456		mg/Kg		114	71 - 121
Toluene	0.0400	0.0450		mg/Kg		112	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0451		mg/Kg		113	75 - 122

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

Lab Sample ID: LCS 180-376951/3
Matrix: Solid
Analysis Batch: 376951

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0400	0.0467		mg/Kg		117	72 - 134		
Trichloroethene			0.0400	0.0423		mg/Kg		106	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0463		mg/Kg		116	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0452		mg/Kg		113	69 - 131		
Vinyl chloride			0.0400	0.0571	*+	mg/Kg		143	64 - 134		
Xylenes, Total			0.0800	0.0902		mg/Kg		113	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-376951/4
Matrix: Solid
Analysis Batch: 376951

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0373		mg/Kg		93	23 - 170	8	35
Benzene			0.0400	0.0440		mg/Kg		110	77 - 120	2	20
2-Butanone (MEK)			0.0400	0.0303		mg/Kg		76	39 - 157	15	33
Carbon tetrachloride			0.0400	0.0450		mg/Kg		113	73 - 130	1	21
Chlorobenzene			0.0400	0.0441		mg/Kg		110	79 - 122	1	20
Chloroform			0.0400	0.0434		mg/Kg		109	73 - 126	1	20
cis-1,2-Dichloroethene			0.0400	0.0428		mg/Kg		107	77 - 118	0	20
1,2-Dichlorobenzene			0.0400	0.0431		mg/Kg		108	76 - 120	2	20
1,3-Dichlorobenzene			0.0400	0.0446		mg/Kg		111	77 - 121	3	20
1,4-Dichlorobenzene			0.0400	0.0444		mg/Kg		111	79 - 120	3	20
1,1-Dichloroethane			0.0400	0.0438		mg/Kg		109	73 - 124	1	20
1,2-Dichloroethane			0.0400	0.0418		mg/Kg		105	64 - 140	6	20
1,1-Dichloroethene			0.0400	0.0432		mg/Kg		108	55 - 136	8	21
1,4-Dioxane			0.800	0.707	J	mg/Kg		88	18 - 166	12	40
Ethylbenzene			0.0400	0.0457		mg/Kg		114	79 - 119	2	20
Methylene Chloride			0.0400	0.0431		mg/Kg		108	67 - 131	0	32
Methyl tert-butyl ether			0.0400	0.0392		mg/Kg		98	58 - 132	6	24
n-Butylbenzene			0.0400	0.0462		mg/Kg		115	64 - 136	2	21
N-Propylbenzene			0.0400	0.0460		mg/Kg		115	71 - 127	3	20
sec-Butylbenzene			0.0400	0.0469		mg/Kg		117	65 - 130	2	20
tert-Butylbenzene			0.0400	0.0463		mg/Kg		116	69 - 133	2	23
Tetrachloroethene			0.0400	0.0450		mg/Kg		112	71 - 121	2	21
Toluene			0.0400	0.0448		mg/Kg		112	76 - 120	0	20
trans-1,2-Dichloroethene			0.0400	0.0437		mg/Kg		109	75 - 122	3	20
1,1,1-Trichloroethane			0.0400	0.0461		mg/Kg		115	72 - 134	1	20
Trichloroethene			0.0400	0.0435		mg/Kg		109	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0465		mg/Kg		116	74 - 127	1	20
1,3,5-Trimethylbenzene			0.0400	0.0450		mg/Kg		112	69 - 131	1	20
Vinyl chloride			0.0400	0.0534		mg/Kg		134	64 - 134	7	23
Xylenes, Total			0.0800	0.0898		mg/Kg		112	78 - 118	0	20

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

Lab Sample ID: LCSD 180-376951/4
Matrix: Solid
Analysis Batch: 376951

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: MB 180-377119/6
Matrix: Solid
Analysis Batch: 377119

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/01/21 09:26	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/01/21 09:26	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/01/21 09:26	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/01/21 09:26	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/01/21 09:26	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/01/21 09:26	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/01/21 09:26	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/01/21 09:26	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/01/21 09:26	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/01/21 09:26	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/01/21 09:26	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/01/21 09:26	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/01/21 09:26	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/01/21 09:26	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/01/21 09:26	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/01/21 09:26	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/01/21 09:26	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/01/21 09:26	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/01/21 09:26	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/01/21 09:26	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/01/21 09:26	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/01/21 09:26	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/01/21 09:26	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/01/21 09:26	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/01/21 09:26	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/01/21 09:26	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/01/21 09:26	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/01/21 09:26	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/01/21 09:26	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/01/21 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*		*11/01/21 09:26*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*		*11/01/21 09:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*11/01/21 09:26*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*		*11/01/21 09:26*	*1*

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

Lab Sample ID: LCS 180-377119/3
Matrix: Solid
Analysis Batch: 377119

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0408		mg/Kg		102	23 - 170
Benzene	0.0400	0.0413		mg/Kg		103	77 - 120
2-Butanone (MEK)	0.0400	0.0333		mg/Kg		83	39 - 157
Carbon tetrachloride	0.0400	0.0429		mg/Kg		107	73 - 130
Chlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 122
Chloroform	0.0400	0.0407		mg/Kg		102	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0405		mg/Kg		101	77 - 118
1,2-Dichlorobenzene	0.0400	0.0403		mg/Kg		101	76 - 120
1,3-Dichlorobenzene	0.0400	0.0414		mg/Kg		103	77 - 121
1,4-Dichlorobenzene	0.0400	0.0411		mg/Kg		103	79 - 120
1,1-Dichloroethane	0.0400	0.0413		mg/Kg		103	73 - 124
1,2-Dichloroethane	0.0400	0.0403		mg/Kg		101	64 - 140
1,1-Dichloroethene	0.0400	0.0437		mg/Kg		109	55 - 136
1,4-Dioxane	0.800	0.848	J	mg/Kg		106	18 - 166
Ethylbenzene	0.0400	0.0429		mg/Kg		107	79 - 119
Methylene Chloride	0.0400	0.0415		mg/Kg		104	67 - 131
Methyl tert-butyl ether	0.0400	0.0392		mg/Kg		98	58 - 132
n-Butylbenzene	0.0400	0.0436		mg/Kg		109	64 - 136
N-Propylbenzene	0.0400	0.0425		mg/Kg		106	71 - 127
sec-Butylbenzene	0.0400	0.0434		mg/Kg		109	65 - 130
tert-Butylbenzene	0.0400	0.0427		mg/Kg		107	69 - 133
Tetrachloroethene	0.0400	0.0422		mg/Kg		105	71 - 121
Toluene	0.0400	0.0418		mg/Kg		105	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0425		mg/Kg		106	75 - 122
1,1,1-Trichloroethane	0.0400	0.0430		mg/Kg		107	72 - 134
Trichloroethene	0.0400	0.0406		mg/Kg		102	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0426		mg/Kg		107	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0411		mg/Kg		103	69 - 131
Vinyl chloride	0.0400	0.0494		mg/Kg		123	64 - 134
Xylenes, Total	0.0800	0.0843		mg/Kg		105	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: LCSD 180-377119/4
Matrix: Solid
Analysis Batch: 377119

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0437		mg/Kg		109	23 - 170	7	35
Benzene	0.0400	0.0420		mg/Kg		105	77 - 120	2	20
2-Butanone (MEK)	0.0400	0.0357		mg/Kg		89	39 - 157	7	33
Carbon tetrachloride	0.0400	0.0434		mg/Kg		108	73 - 130	1	21
Chlorobenzene	0.0400	0.0421		mg/Kg		105	79 - 122	2	20
Chloroform	0.0400	0.0417		mg/Kg		104	73 - 126	2	20

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

Lab Sample ID: LCSD 180-377119/4
Matrix: Solid
Analysis Batch: 377119

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0400	0.0421		mg/Kg		105	77 - 118	4	20
1,2-Dichlorobenzene	0.0400	0.0417		mg/Kg		104	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0415		mg/Kg		104	77 - 121	0	20
1,4-Dichlorobenzene	0.0400	0.0416		mg/Kg		104	79 - 120	1	20
1,1-Dichloroethane	0.0400	0.0422		mg/Kg		106	73 - 124	2	20
1,2-Dichloroethane	0.0400	0.0416		mg/Kg		104	64 - 140	3	20
1,1-Dichloroethene	0.0400	0.0441		mg/Kg		110	55 - 136	1	21
1,4-Dioxane	0.800	0.894	J	mg/Kg		112	18 - 166	5	40
Ethylbenzene	0.0400	0.0435		mg/Kg		109	79 - 119	1	20
Methylene Chloride	0.0400	0.0429		mg/Kg		107	67 - 131	3	32
Methyl tert-butyl ether	0.0400	0.0417		mg/Kg		104	58 - 132	6	24
n-Butylbenzene	0.0400	0.0442		mg/Kg		111	64 - 136	2	21
N-Propylbenzene	0.0400	0.0425		mg/Kg		106	71 - 127	0	20
sec-Butylbenzene	0.0400	0.0436		mg/Kg		109	65 - 130	0	20
tert-Butylbenzene	0.0400	0.0425		mg/Kg		106	69 - 133	0	23
Tetrachloroethene	0.0400	0.0420		mg/Kg		105	71 - 121	0	21
Toluene	0.0400	0.0417		mg/Kg		104	76 - 120	0	20
trans-1,2-Dichloroethene	0.0400	0.0432		mg/Kg		108	75 - 122	2	20
1,1,1-Trichloroethane	0.0400	0.0446		mg/Kg		111	72 - 134	4	20
Trichloroethene	0.0400	0.0410		mg/Kg		102	69 - 118	1	20
1,2,4-Trimethylbenzene	0.0400	0.0429		mg/Kg		107	74 - 127	1	20
1,3,5-Trimethylbenzene	0.0400	0.0412		mg/Kg		103	69 - 131	0	20
Vinyl chloride	0.0400	0.0495		mg/Kg		124	64 - 134	0	23
Xylenes, Total	0.0800	0.0853		mg/Kg		107	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Lab Sample ID: MB 180-377125/6
Matrix: Solid
Analysis Batch: 377125

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/01/21 11:52	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/01/21 11:52	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/01/21 11:52	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/01/21 11:52	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/01/21 11:52	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/01/21 11:52	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/01/21 11:52	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/01/21 11:52	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/01/21 11:52	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/01/21 11:52	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/01/21 11:52	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/01/21 11:52	1

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

Lab Sample ID: MB 180-377125/6
Matrix: Solid
Analysis Batch: 377125

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/01/21 11:52	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/01/21 11:52	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/01/21 11:52	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/01/21 11:52	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/01/21 11:52	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/01/21 11:52	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/01/21 11:52	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/01/21 11:52	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/01/21 11:52	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/01/21 11:52	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/01/21 11:52	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/01/21 11:52	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/01/21 11:52	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/01/21 11:52	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/01/21 11:52	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/01/21 11:52	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/01/21 11:52	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/01/21 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*11/01/21 11:52*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*		*11/01/21 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*		*11/01/21 11:52*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*		*11/01/21 11:52*	*1*

Lab Sample ID: LCS 180-377125/3
Matrix: Solid
Analysis Batch: 377125

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0316		mg/Kg		79	23 - 170
Benzene	0.0400	0.0370		mg/Kg		92	77 - 120
2-Butanone (MEK)	0.0400	0.0311		mg/Kg		78	39 - 157
Carbon tetrachloride	0.0400	0.0418		mg/Kg		104	73 - 130
Chlorobenzene	0.0400	0.0396		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0382		mg/Kg		95	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0394		mg/Kg		98	77 - 118
1,2-Dichlorobenzene	0.0400	0.0393		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0396		mg/Kg		99	77 - 121
1,4-Dichlorobenzene	0.0400	0.0395		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0352		mg/Kg		88	73 - 124
1,2-Dichloroethane	0.0400	0.0395		mg/Kg		99	64 - 140
1,1-Dichloroethene	0.0400	0.0377		mg/Kg		94	55 - 136
1,4-Dioxane	0.800	0.687	J	mg/Kg		86	18 - 166
Ethylbenzene	0.0400	0.0381		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0370		mg/Kg		93	67 - 131
Methyl tert-butyl ether	0.0400	0.0378		mg/Kg		94	58 - 132
n-Butylbenzene	0.0400	0.0327		mg/Kg		82	64 - 136

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

Lab Sample ID: LCS 180-377125/3
Matrix: Solid
Analysis Batch: 377125

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0389		mg/Kg		97	71 - 127
sec-Butylbenzene	0.0400	0.0357		mg/Kg		89	65 - 130
tert-Butylbenzene	0.0400	0.0379		mg/Kg		95	69 - 133
Tetrachloroethene	0.0400	0.0423		mg/Kg		106	71 - 121
Toluene	0.0400	0.0374		mg/Kg		93	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0377		mg/Kg		94	75 - 122
1,1,1-Trichloroethane	0.0400	0.0402		mg/Kg		101	72 - 134
Trichloroethene	0.0400	0.0410		mg/Kg		102	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0368		mg/Kg		92	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0378		mg/Kg		94	69 - 131
Vinyl chloride	0.0400	0.0322		mg/Kg		80	64 - 134
Xylenes, Total	0.0800	0.0765		mg/Kg		96	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: LCSD 180-377125/4
Matrix: Solid
Analysis Batch: 377125

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0319		mg/Kg		80	23 - 170	1	35
Benzene	0.0400	0.0386		mg/Kg		96	77 - 120	4	20
2-Butanone (MEK)	0.0400	0.0301		mg/Kg		75	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0423		mg/Kg		106	73 - 130	1	21
Chlorobenzene	0.0400	0.0402		mg/Kg		101	79 - 122	2	20
Chloroform	0.0400	0.0398		mg/Kg		99	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0411		mg/Kg		103	77 - 118	4	20
1,2-Dichlorobenzene	0.0400	0.0404		mg/Kg		101	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0409		mg/Kg		102	77 - 121	3	20
1,4-Dichlorobenzene	0.0400	0.0402		mg/Kg		101	79 - 120	2	20
1,1-Dichloroethane	0.0400	0.0367		mg/Kg		92	73 - 124	4	20
1,2-Dichloroethane	0.0400	0.0417		mg/Kg		104	64 - 140	5	20
1,1-Dichloroethene	0.0400	0.0379		mg/Kg		95	55 - 136	1	21
1,4-Dioxane	0.800	0.681	J	mg/Kg		85	18 - 166	1	40
Ethylbenzene	0.0400	0.0383		mg/Kg		96	79 - 119	0	20
Methylene Chloride	0.0400	0.0394		mg/Kg		99	67 - 131	6	32
Methyl tert-butyl ether	0.0400	0.0393		mg/Kg		98	58 - 132	4	24
n-Butylbenzene	0.0400	0.0323		mg/Kg		81	64 - 136	1	21
N-Propylbenzene	0.0400	0.0396		mg/Kg		99	71 - 127	2	20
sec-Butylbenzene	0.0400	0.0360		mg/Kg		90	65 - 130	1	20
tert-Butylbenzene	0.0400	0.0386		mg/Kg		96	69 - 133	2	23
Tetrachloroethene	0.0400	0.0418		mg/Kg		105	71 - 121	1	21
Toluene	0.0400	0.0389		mg/Kg		97	76 - 120	4	20
trans-1,2-Dichloroethene	0.0400	0.0393		mg/Kg		98	75 - 122	4	20

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

Lab Sample ID: LCSD 180-377125/4
Matrix: Solid
Analysis Batch: 377125

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0400	0.0404		mg/Kg		101	72 - 134	0	20
Trichloroethene			0.0400	0.0419		mg/Kg		105	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0382		mg/Kg		96	74 - 127	4	20
1,3,5-Trimethylbenzene			0.0400	0.0385		mg/Kg		96	69 - 131	2	20
Vinyl chloride			0.0400	0.0321		mg/Kg		80	64 - 134	0	23
Xylenes, Total			0.0800	0.0764		mg/Kg		96	78 - 118	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Lab Sample ID: 180-128974-32 MS
Matrix: Solid
Analysis Batch: 377125

Client Sample ID: SSHS-IRM5A2-A1-A20B
Prep Type: Total/NA
Prep Batch: 377150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	F2	0.0382	0.0102	J *3	mg/Kg	☼	27	23 - 170
Benzene	ND	F2 F1	0.0382	0.0286	*3 F1	mg/Kg	☼	75	77 - 120
2-Butanone (MEK)	ND		0.0382	0.0210	*3	mg/Kg	☼	55	39 - 157
Carbon tetrachloride	ND	F2	0.0382	0.0292	*3	mg/Kg	☼	76	73 - 130
Chlorobenzene	ND	F2 F1	0.0382	0.0272	F1	mg/Kg	☼	71	79 - 122
Chloroform	ND	F2	0.0382	0.0298	*3	mg/Kg	☼	78	73 - 126
cis-1,2-Dichloroethene	ND	F2	0.0382	0.0295	*3	mg/Kg	☼	77	77 - 118
1,2-Dichlorobenzene	ND	*3 F2 F1	0.0382	0.0269	F1	mg/Kg	☼	71	76 - 120
1,3-Dichlorobenzene	ND	*3 F2 F1	0.0382	0.0278	F1	mg/Kg	☼	73	77 - 121
1,4-Dichlorobenzene	ND	*3 F2 F1	0.0382	0.0267	F1	mg/Kg	☼	70	79 - 120
1,1-Dichloroethane	ND	F2	0.0382	0.0301	*3	mg/Kg	☼	79	73 - 124
1,2-Dichloroethane	ND	F2	0.0382	0.0272	*3	mg/Kg	☼	71	64 - 140
1,1-Dichloroethene	ND	F2	0.0382	0.0242	*3	mg/Kg	☼	63	55 - 136
1,4-Dioxane	ND	F2	0.764	0.247	J *3	mg/Kg	☼	32	18 - 166
Ethylbenzene	ND	F2 F1	0.0382	0.0289	F1	mg/Kg	☼	76	79 - 119
Methylene Chloride	ND	F2 F1	0.0382	0.0244	*3 F1	mg/Kg	☼	64	67 - 131
Methyl tert-butyl ether	ND	F2	0.0382	0.0259	*3	mg/Kg	☼	68	58 - 132
n-Butylbenzene	ND	*3 F2 F1	0.0382	0.0224	F1	mg/Kg	☼	59	64 - 136
N-Propylbenzene	ND	*3 F2	0.0382	0.0332		mg/Kg	☼	87	71 - 127
sec-Butylbenzene	ND	*3 F2	0.0382	0.0292		mg/Kg	☼	77	65 - 130
tert-Butylbenzene	ND	*3 F2	0.0382	0.0338		mg/Kg	☼	89	69 - 133
Tetrachloroethene	ND	F2	0.0382	0.0290		mg/Kg	☼	76	71 - 121
Toluene	ND	F2	0.0382	0.0293		mg/Kg	☼	77	76 - 120
trans-1,2-Dichloroethene	ND	F2 F1	0.0382	0.0279	*3 F1	mg/Kg	☼	73	75 - 122
1,1,1-Trichloroethane	ND	F2	0.0382	0.0298	*3	mg/Kg	☼	78	72 - 134
Trichloroethene	ND	F2	0.0382	0.0285	*3	mg/Kg	☼	75	69 - 118
1,2,4-Trimethylbenzene	ND	*3 F1 F2	0.0382	0.0311		mg/Kg	☼	82	74 - 127
1,3,5-Trimethylbenzene	ND	*3 F2	0.0382	0.0329		mg/Kg	☼	86	69 - 131
Vinyl chloride	ND	F2 F1	0.0382	0.0240	*3 F1	mg/Kg	☼	63	64 - 134
Xylenes, Total	ND	F2 F1	0.0764	0.0575	F1	mg/Kg	☼	75	78 - 118

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

Lab Sample ID: 180-128974-32 MS
Matrix: Solid
Analysis Batch: 377125

Client Sample ID: SSHS-IRM5A2-A1-A20B
Prep Type: Total/NA
Prep Batch: 377150

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*
Dibromofluoromethane (Surr)	*93*	*3	*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*83*	*3	*73 - 135*
Toluene-d8 (Surr)	*88*		*67 - 134*

Lab Sample ID: MB 180-377418/5
Matrix: Solid
Analysis Batch: 377418

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/03/21 08:24	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/03/21 08:24	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/03/21 08:24	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/03/21 08:24	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/03/21 08:24	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/03/21 08:24	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/03/21 08:24	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/03/21 08:24	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/03/21 08:24	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/03/21 08:24	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/03/21 08:24	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/03/21 08:24	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/03/21 08:24	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/03/21 08:24	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/03/21 08:24	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/03/21 08:24	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/03/21 08:24	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/03/21 08:24	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/03/21 08:24	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/03/21 08:24	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/03/21 08:24	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/03/21 08:24	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/03/21 08:24	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/03/21 08:24	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/03/21 08:24	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/03/21 08:24	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/03/21 08:24	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/03/21 08:24	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/03/21 08:24	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/03/21 08:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*		*11/03/21 08:24*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*		*11/03/21 08:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*		*11/03/21 08:24*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*		*11/03/21 08:24*	*1*

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

Lab Sample ID: LCS 180-377418/3
Matrix: Solid
Analysis Batch: 377418

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0392		mg/Kg		98	23 - 170
Benzene	0.0400	0.0412		mg/Kg		103	77 - 120
2-Butanone (MEK)	0.0400	0.0322		mg/Kg		80	39 - 157
Carbon tetrachloride	0.0400	0.0417		mg/Kg		104	73 - 130
Chlorobenzene	0.0400	0.0407		mg/Kg		102	79 - 122
Chloroform	0.0400	0.0389		mg/Kg		97	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0396		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0395		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0402		mg/Kg		101	77 - 121
1,4-Dichlorobenzene	0.0400	0.0403		mg/Kg		101	79 - 120
1,1-Dichloroethane	0.0400	0.0401		mg/Kg		100	73 - 124
1,2-Dichloroethane	0.0400	0.0383		mg/Kg		96	64 - 140
1,1-Dichloroethene	0.0400	0.0434		mg/Kg		108	55 - 136
1,4-Dioxane	0.800	0.903	J	mg/Kg		113	18 - 166
Ethylbenzene	0.0400	0.0427		mg/Kg		107	79 - 119
Methylene Chloride	0.0400	0.0427		mg/Kg		107	67 - 131
Methyl tert-butyl ether	0.0400	0.0364		mg/Kg		91	58 - 132
n-Butylbenzene	0.0400	0.0444		mg/Kg		111	64 - 136
N-Propylbenzene	0.0400	0.0421		mg/Kg		105	71 - 127
sec-Butylbenzene	0.0400	0.0435		mg/Kg		109	65 - 130
tert-Butylbenzene	0.0400	0.0419		mg/Kg		105	69 - 133
Tetrachloroethene	0.0400	0.0419		mg/Kg		105	71 - 121
Toluene	0.0400	0.0416		mg/Kg		104	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0423		mg/Kg		106	75 - 122
1,1,1-Trichloroethane	0.0400	0.0428		mg/Kg		107	72 - 134
Trichloroethene	0.0400	0.0394		mg/Kg		99	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0419		mg/Kg		105	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0408		mg/Kg		102	69 - 131
Vinyl chloride	0.0400	0.0536		mg/Kg		134	64 - 134
Xylenes, Total	0.0800	0.0836		mg/Kg		105	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Lab Sample ID: MB 180-377560/8
Matrix: Solid
Analysis Batch: 377560

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/04/21 12:36	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/04/21 12:36	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/04/21 12:36	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/04/21 12:36	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/04/21 12:36	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/04/21 12:36	1

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

Lab Sample ID: MB 180-377560/8
Matrix: Solid
Analysis Batch: 377560

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/04/21 12:36	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/04/21 12:36	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/04/21 12:36	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/04/21 12:36	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/04/21 12:36	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/04/21 12:36	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/04/21 12:36	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/04/21 12:36	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/04/21 12:36	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/04/21 12:36	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/04/21 12:36	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/04/21 12:36	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/04/21 12:36	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/04/21 12:36	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/04/21 12:36	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/04/21 12:36	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/04/21 12:36	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/04/21 12:36	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/04/21 12:36	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/04/21 12:36	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/04/21 12:36	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/04/21 12:36	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/04/21 12:36	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/04/21 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*		*11/04/21 12:36*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*		*11/04/21 12:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*		*11/04/21 12:36*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*		*11/04/21 12:36*	*1*

Lab Sample ID: LCS 180-377560/3
Matrix: Solid
Analysis Batch: 377560

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0421		mg/Kg		105	23 - 170
Benzene	0.0400	0.0392		mg/Kg		98	77 - 120
2-Butanone (MEK)	0.0400	0.0618		mg/Kg		155	39 - 157
Carbon tetrachloride	0.0400	0.0427		mg/Kg		107	73 - 130
Chlorobenzene	0.0400	0.0388		mg/Kg		97	79 - 122
Chloroform	0.0400	0.0400		mg/Kg		100	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0411		mg/Kg		103	77 - 118
1,2-Dichlorobenzene	0.0400	0.0385		mg/Kg		96	76 - 120
1,3-Dichlorobenzene	0.0400	0.0389		mg/Kg		97	77 - 121
1,4-Dichlorobenzene	0.0400	0.0390		mg/Kg		98	79 - 120
1,1-Dichloroethane	0.0400	0.0410		mg/Kg		102	73 - 124
1,2-Dichloroethane	0.0400	0.0434		mg/Kg		109	64 - 140

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

Lab Sample ID: LCS 180-377560/3
Matrix: Solid
Analysis Batch: 377560

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0400	0.0412		mg/Kg		103	55 - 136
1,4-Dioxane	0.800	0.388	J	mg/Kg		48	18 - 166
Ethylbenzene	0.0400	0.0410		mg/Kg		102	79 - 119
Methylene Chloride	0.0400	0.0403		mg/Kg		101	67 - 131
Methyl tert-butyl ether	0.0400	0.0404		mg/Kg		101	58 - 132
n-Butylbenzene	0.0400	0.0384		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0405		mg/Kg		101	71 - 127
sec-Butylbenzene	0.0400	0.0375		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0383		mg/Kg		96	69 - 133
Tetrachloroethene	0.0400	0.0394		mg/Kg		98	71 - 121
Toluene	0.0400	0.0376		mg/Kg		94	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0418		mg/Kg		105	75 - 122
1,1,1-Trichloroethane	0.0400	0.0423		mg/Kg		106	72 - 134
Trichloroethene	0.0400	0.0396		mg/Kg		99	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0376		mg/Kg		94	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0379		mg/Kg		95	69 - 131
Vinyl chloride	0.0400	0.0377		mg/Kg		94	64 - 134
Xylenes, Total	0.0800	0.0791		mg/Kg		99	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: LCSD 180-377560/4
Matrix: Solid
Analysis Batch: 377560

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0410		mg/Kg		103	23 - 170	3	35
Benzene	0.0400	0.0413		mg/Kg		103	77 - 120	5	20
2-Butanone (MEK)	0.0400	0.0637	*+	mg/Kg		159	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0451		mg/Kg		113	73 - 130	6	21
Chlorobenzene	0.0400	0.0414		mg/Kg		103	79 - 122	6	20
Chloroform	0.0400	0.0415		mg/Kg		104	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0433		mg/Kg		108	77 - 118	5	20
1,2-Dichlorobenzene	0.0400	0.0393		mg/Kg		98	76 - 120	2	20
1,3-Dichlorobenzene	0.0400	0.0405		mg/Kg		101	77 - 121	4	20
1,4-Dichlorobenzene	0.0400	0.0406		mg/Kg		101	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0433		mg/Kg		108	73 - 124	6	20
1,2-Dichloroethane	0.0400	0.0450		mg/Kg		112	64 - 140	3	20
1,1-Dichloroethene	0.0400	0.0430		mg/Kg		107	55 - 136	4	21
1,4-Dioxane	0.800	0.264	J	mg/Kg		33	18 - 166	38	40
Ethylbenzene	0.0400	0.0431		mg/Kg		108	79 - 119	5	20
Methylene Chloride	0.0400	0.0434		mg/Kg		108	67 - 131	7	32
Methyl tert-butyl ether	0.0400	0.0412		mg/Kg		103	58 - 132	2	24
n-Butylbenzene	0.0400	0.0400		mg/Kg		100	64 - 136	4	21

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

Lab Sample ID: LCSD 180-377560/4
Matrix: Solid
Analysis Batch: 377560

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene			0.0400	0.0428		mg/Kg		107	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0393		mg/Kg		98	65 - 130	5	20
tert-Butylbenzene			0.0400	0.0399		mg/Kg		100	69 - 133	4	23
Tetrachloroethene			0.0400	0.0416		mg/Kg		104	71 - 121	5	21
Toluene			0.0400	0.0399		mg/Kg		100	76 - 120	6	20
trans-1,2-Dichloroethene			0.0400	0.0434		mg/Kg		109	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0444		mg/Kg		111	72 - 134	5	20
Trichloroethene			0.0400	0.0420		mg/Kg		105	69 - 118	6	20
1,2,4-Trimethylbenzene			0.0400	0.0395		mg/Kg		99	74 - 127	5	20
1,3,5-Trimethylbenzene			0.0400	0.0397		mg/Kg		99	69 - 131	5	20
Vinyl chloride			0.0400	0.0402		mg/Kg		101	64 - 134	6	23
Xylenes, Total			0.0800	0.0843		mg/Kg		105	78 - 118	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-376767/1-A
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Anthracene	ND		0.0067	0.0017	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Chrysene	ND		0.0067	0.0037	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Fluorene	ND		0.0067	0.0013	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		10/27/21 18:44	10/28/21 10:30	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-376767/1-A
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.17	0.054	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Phenol	ND		0.033	0.010	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Pyrene	ND		0.0067	0.0016	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
Pyridine	ND		0.067	0.018	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		10/27/21 18:44	10/28/21 10:30	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		10/27/21 18:44	10/28/21 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*37 - 107*	*10/27/21 18:44*	*10/28/21 10:30*	*1*
2-Fluorophenol (Surr)	*94*		*38 - 106*	*10/27/21 18:44*	*10/28/21 10:30*	*1*
Nitrobenzene-d5 (Surr)	*85*		*41 - 112*	*10/27/21 18:44*	*10/28/21 10:30*	*1*
Phenol-d5 (Surr)	*89*		*40 - 110*	*10/27/21 18:44*	*10/28/21 10:30*	*1*
Terphenyl-d14 (Surr)	*99*		*32 - 115*	*10/27/21 18:44*	*10/28/21 10:30*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*22 - 116*	*10/27/21 18:44*	*10/28/21 10:30*	*1*

Lab Sample ID: LCS 180-376767/2-A
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.552		mg/Kg		83	48 - 101
Acenaphthylene	0.667	0.569		mg/Kg		85	45 - 104
Anthracene	0.667	0.614		mg/Kg		92	50 - 111
Benzo[a]anthracene	0.667	0.635		mg/Kg		95	48 - 100
Benzo[a]pyrene	0.667	0.548		mg/Kg		82	48 - 106
Benzo[b]fluoranthene	0.667	0.561		mg/Kg		84	46 - 100
Benzo[g,h,i]perylene	0.667	0.535		mg/Kg		80	47 - 105
Benzo[k]fluoranthene	0.667	0.493		mg/Kg		74	46 - 107
Chrysene	0.667	0.567		mg/Kg		85	48 - 100
Dibenz(a,h)anthracene	0.667	0.595		mg/Kg		89	47 - 106
Dibenzofuran	0.667	0.566		mg/Kg		85	49 - 100
2,4-Dinitrotoluene	0.667	0.649		mg/Kg		97	54 - 107
1,4-Dioxane	0.667	0.564		mg/Kg		85	37 - 106
Fluoranthene	0.667	0.637		mg/Kg		96	52 - 100
Fluorene	0.667	0.576		mg/Kg		86	49 - 100
Hexachlorobenzene	0.667	0.572		mg/Kg		86	47 - 100
Hexachlorobutadiene	0.667	0.493		mg/Kg		74	30 - 100
Hexachloroethane	0.667	0.474		mg/Kg		71	48 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.584		mg/Kg		88	48 - 105
2-Methylphenol	0.667	0.526		mg/Kg		79	50 - 100
Methylphenol, 3 & 4	0.667	0.547		mg/Kg		82	51 - 100
Naphthalene	0.667	0.513		mg/Kg		77	49 - 100
Nitrobenzene	0.667	0.532		mg/Kg		80	48 - 100
Pentachlorophenol	1.33	1.23		mg/Kg		92	31 - 100
Phenanthrene	0.667	0.592		mg/Kg		89	48 - 106
Phenol	0.667	0.532		mg/Kg		80	49 - 100
Pyrene	0.667	0.585		mg/Kg		88	47 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-376767/2-A
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	1.33	1.13		mg/Kg		85	39 - 106
2,4,5-Trichlorophenol	0.667	0.607		mg/Kg		91	44 - 100
2,4,6-Trichlorophenol	0.667	0.583		mg/Kg		87	44 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*37 - 107*
2-Fluorophenol (Surr)	*87*		*38 - 106*
Nitrobenzene-d5 (Surr)	*86*		*41 - 112*
Phenol-d5 (Surr)	*85*		*40 - 110*
Terphenyl-d14 (Surr)	*99*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*99*		*22 - 116*

Lab Sample ID: 180-128974-54 MS
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: SSHS-IRM5A2-A1-A26C
Prep Type: Total/NA
Prep Batch: 376767

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.044		0.756	0.611		mg/Kg	☼	75	48 - 101
Acenaphthylene	1.1		0.756	1.69		mg/Kg	☼	81	45 - 104
Anthracene	0.70		0.756	1.29		mg/Kg	☼	78	50 - 111
Benzo[a]anthracene	2.5		0.756	2.88		mg/Kg	☼	52	48 - 100
Benzo[a]pyrene	2.1	F1	0.756	2.31	F1	mg/Kg	☼	24	48 - 106
Benzo[b]fluoranthene	3.3		0.756	3.46	4	mg/Kg	☼	16	46 - 100
Benzo[g,h,i]perylene	1.8	F1	0.756	2.16	F1	mg/Kg	☼	42	47 - 105
Benzo[k]fluoranthene	1.1	F1	0.756	1.38	F1	mg/Kg	☼	37	46 - 107
Chrysene	2.8	F1	0.756	2.96	F1	mg/Kg	☼	21	48 - 100
Dibenz(a,h)anthracene	0.53		0.756	0.995		mg/Kg	☼	62	47 - 106
Dibenzofuran	ND		0.756	0.621		mg/Kg	☼	82	49 - 100
2,4-Dinitrotoluene	ND		0.756	0.615		mg/Kg	☼	81	54 - 107
1,4-Dioxane	ND		0.756	0.499		mg/Kg	☼	66	37 - 106
Fluoranthene	3.9		0.756	3.91	4	mg/Kg	☼	6	52 - 100
Fluorene	0.11		0.756	0.710		mg/Kg	☼	80	49 - 100
Hexachlorobenzene	ND		0.756	0.546		mg/Kg	☼	72	47 - 100
Hexachlorobutadiene	ND		0.756	0.514		mg/Kg	☼	68	30 - 100
Hexachloroethane	ND		0.756	0.500		mg/Kg	☼	66	48 - 100
Indeno[1,2,3-cd]pyrene	1.7		0.756	2.13		mg/Kg	☼	51	48 - 105
2-Methylphenol	ND		0.756	0.435		mg/Kg	☼	58	50 - 100
Methylphenol, 3 & 4	ND		0.756	0.478		mg/Kg	☼	63	51 - 100
Naphthalene	0.14		0.756	0.674		mg/Kg	☼	71	49 - 100
Nitrobenzene	ND		0.756	0.555		mg/Kg	☼	73	48 - 100
Pentachlorophenol	ND		1.51	0.733	J	mg/Kg	☼	48	31 - 100
Phenanthrene	1.3		0.756	1.86		mg/Kg	☼	74	48 - 106
Phenol	ND		0.756	0.508		mg/Kg	☼	67	49 - 100
Pyrene	4.2		0.756	4.13	4	mg/Kg	☼	-16	47 - 100
Pyridine	ND	F1	1.51	0.240	J F1	mg/Kg	☼	16	39 - 106
2,4,5-Trichlorophenol	ND		0.756	0.563		mg/Kg	☼	74	44 - 100
2,4,6-Trichlorophenol	ND		0.756	0.540		mg/Kg	☼	71	44 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-128974-54 MS
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: SSHS-IRM5A2-A1-A26C
Prep Type: Total/NA
Prep Batch: 376767

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	74		37 - 107
2-Fluorophenol (Surr)	76		38 - 106
Nitrobenzene-d5 (Surr)	75		41 - 112
Phenol-d5 (Surr)	73		40 - 110
Terphenyl-d14 (Surr)	83		32 - 115
2,4,6-Tribromophenol (Surr)	77		22 - 116

Lab Sample ID: 180-128974-54 MSD
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: SSHS-IRM5A2-A1-A26C
Prep Type: Total/NA
Prep Batch: 376767

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.044		0.751	0.655		mg/Kg	☼	81	48 - 101	7	22
Acenaphthylene	1.1		0.751	1.77		mg/Kg	☼	93	45 - 104	5	23
Anthracene	0.70		0.751	1.39		mg/Kg	☼	92	50 - 111	7	26
Benzo[a]anthracene	2.5		0.751	3.01		mg/Kg	☼	69	48 - 100	4	24
Benzo[a]pyrene	2.1	F1	0.751	2.51		mg/Kg	☼	52	48 - 106	9	21
Benzo[b]fluoranthene	3.3		0.751	3.78	4	mg/Kg	☼	60	46 - 100	9	26
Benzo[g,h,i]perylene	1.8	F1	0.751	2.38		mg/Kg	☼	72	47 - 105	10	22
Benzo[k]fluoranthene	1.1	F1	0.751	1.42	F1	mg/Kg	☼	42	46 - 107	3	18
Chrysene	2.8	F1	0.751	3.22		mg/Kg	☼	56	48 - 100	8	26
Dibenz(a,h)anthracene	0.53		0.751	1.09		mg/Kg	☼	76	47 - 106	10	24
Dibenzofuran	ND		0.751	0.643		mg/Kg	☼	86	49 - 100	4	19
2,4-Dinitrotoluene	ND		0.751	0.623		mg/Kg	☼	83	54 - 107	1	20
1,4-Dioxane	ND		0.751	0.534		mg/Kg	☼	71	37 - 106	7	40
Fluoranthene	3.9		0.751	4.05	4	mg/Kg	☼	25	52 - 100	4	26
Fluorene	0.11		0.751	0.755		mg/Kg	☼	87	49 - 100	6	22
Hexachlorobenzene	ND		0.751	0.568		mg/Kg	☼	76	47 - 100	4	27
Hexachlorobutadiene	ND		0.751	0.546		mg/Kg	☼	73	30 - 100	6	27
Hexachloroethane	ND		0.751	0.522		mg/Kg	☼	69	48 - 100	4	27
Indeno[1,2,3-cd]pyrene	1.7		0.751	2.32		mg/Kg	☼	77	48 - 105	9	22
2-Methylphenol	ND		0.751	0.458		mg/Kg	☼	61	50 - 100	5	27
Methylphenol, 3 & 4	ND		0.751	0.513		mg/Kg	☼	68	51 - 100	7	24
Naphthalene	0.14		0.751	0.719		mg/Kg	☼	77	49 - 100	7	28
Nitrobenzene	ND		0.751	0.576		mg/Kg	☼	77	48 - 100	4	28
Pentachlorophenol	ND		1.50	0.778	J	mg/Kg	☼	52	31 - 100	6	28
Phenanthrene	1.3		0.751	1.90		mg/Kg	☼	80	48 - 106	2	27
Phenol	ND		0.751	0.532		mg/Kg	☼	71	49 - 100	5	30
Pyrene	4.2		0.751	4.34	4	mg/Kg	☼	12	47 - 100	5	27
Pyridine	ND	F1	1.50	0.231	J F1	mg/Kg	☼	15	39 - 106	4	31
2,4,5-Trichlorophenol	ND		0.751	0.572		mg/Kg	☼	76	44 - 100	2	19
2,4,6-Trichlorophenol	ND		0.751	0.570		mg/Kg	☼	76	44 - 100	5	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	78		37 - 107
2-Fluorophenol (Surr)	74		38 - 106
Nitrobenzene-d5 (Surr)	83		41 - 112
Phenol-d5 (Surr)	78		40 - 110

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-128974-54 MSD
Matrix: Solid
Analysis Batch: 376825

Client Sample ID: SSHS-IRM5A2-A1-A26C
Prep Type: Total/NA
Prep Batch: 376767

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*89*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*81*		*22 - 116*

Lab Sample ID: MB 180-376908/1-A
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Anthracene	ND		0.0067	0.0017	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Chrysene	ND		0.0067	0.0037	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Fluorene	ND		0.0067	0.0013	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Phenol	ND		0.033	0.010	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Pyrene	ND		0.0067	0.0016	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
Pyridine	ND		0.067	0.018	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		10/28/21 19:39	10/29/21 14:19	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		10/28/21 19:39	10/29/21 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*37 - 107*	*10/28/21 19:39*	*10/29/21 14:19*	*1*
2-Fluorophenol (Surr)	*84*		*38 - 106*	*10/28/21 19:39*	*10/29/21 14:19*	*1*
Nitrobenzene-d5 (Surr)	*78*		*41 - 112*	*10/28/21 19:39*	*10/29/21 14:19*	*1*
Phenol-d5 (Surr)	*79*		*40 - 110*	*10/28/21 19:39*	*10/29/21 14:19*	*1*
Terphenyl-d14 (Surr)	*79*		*32 - 115*	*10/28/21 19:39*	*10/29/21 14:19*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*22 - 116*	*10/28/21 19:39*	*10/29/21 14:19*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-376908/2-A
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.474		mg/Kg		71	48 - 101
Acenaphthylene	0.667	0.484		mg/Kg		73	45 - 104
Anthracene	0.667	0.495		mg/Kg		74	50 - 111
Benzo[a]anthracene	0.667	0.531		mg/Kg		80	48 - 100
Benzo[a]pyrene	0.667	0.446		mg/Kg		67	48 - 106
Benzo[b]fluoranthene	0.667	0.484		mg/Kg		73	46 - 100
Benzo[g,h,i]perylene	0.667	0.408		mg/Kg		61	47 - 105
Benzo[k]fluoranthene	0.667	0.407		mg/Kg		61	46 - 107
Chrysene	0.667	0.479		mg/Kg		72	48 - 100
Dibenz(a,h)anthracene	0.667	0.459		mg/Kg		69	47 - 106
Dibenzofuran	0.667	0.471		mg/Kg		71	49 - 100
2,4-Dinitrotoluene	0.667	0.503		mg/Kg		75	54 - 107
1,4-Dioxane	0.667	0.450		mg/Kg		68	37 - 106
Fluoranthene	0.667	0.499		mg/Kg		75	52 - 100
Fluorene	0.667	0.470		mg/Kg		71	49 - 100
Hexachlorobenzene	0.667	0.484		mg/Kg		73	47 - 100
Hexachlorobutadiene	0.667	0.459		mg/Kg		69	30 - 100
Hexachloroethane	0.667	0.477		mg/Kg		72	48 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.462		mg/Kg		69	48 - 105
2-Methylphenol	0.667	0.478		mg/Kg		72	50 - 100
Methylphenol, 3 & 4	0.667	0.481		mg/Kg		72	51 - 100
Naphthalene	0.667	0.472		mg/Kg		71	49 - 100
Nitrobenzene	0.667	0.484		mg/Kg		73	48 - 100
Pentachlorophenol	1.33	1.05		mg/Kg		79	31 - 100
Phenanthrene	0.667	0.481		mg/Kg		72	48 - 106
Phenol	0.667	0.492		mg/Kg		74	49 - 100
Pyrene	0.667	0.512		mg/Kg		77	47 - 100
Pyridine	1.33	0.984		mg/Kg		74	39 - 106
2,4,5-Trichlorophenol	0.667	0.506		mg/Kg		76	44 - 100
2,4,6-Trichlorophenol	0.667	0.504		mg/Kg		76	44 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*37 - 107*
2-Fluorophenol (Surr)	*79*		*38 - 106*
Nitrobenzene-d5 (Surr)	*75*		*41 - 112*
Phenol-d5 (Surr)	*74*		*40 - 110*
Terphenyl-d14 (Surr)	*78*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*79*		*22 - 116*

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.040		0.766	0.658		mg/Kg	☼	81	48 - 101
Acenaphthylene	0.76		0.766	1.40		mg/Kg	☼	84	45 - 104
Anthracene	0.52		0.766	1.22		mg/Kg	☼	92	50 - 111
Benzo[a]anthracene	2.1	F1	0.766	3.20	F1	mg/Kg	☼	144	48 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1.9		0.766	2.50		mg/Kg	☼	79	48 - 106
Benzo[b]fluoranthene	3.1		0.766	3.71	4	mg/Kg	☼	84	46 - 100
Benzo[g,h,i]perylene	1.5		0.766	2.07		mg/Kg	☼	76	47 - 105
Benzo[k]fluoranthene	0.95		0.766	1.48		mg/Kg	☼	70	46 - 107
Chrysene	2.3	F1	0.766	3.32	F1	mg/Kg	☼	128	48 - 100
Dibenz(a,h)anthracene	0.41		0.766	1.16		mg/Kg	☼	97	47 - 106
Dibenzofuran	ND		0.766	0.629		mg/Kg	☼	82	49 - 100
2,4-Dinitrotoluene	ND		0.766	0.617		mg/Kg	☼	81	54 - 107
1,4-Dioxane	ND		0.766	0.363	J	mg/Kg	☼	47	37 - 106
Fluoranthene	2.6	F1	0.766	4.31	F1	mg/Kg	☼	222	52 - 100
Fluorene	0.076		0.766	0.707		mg/Kg	☼	83	49 - 100
Hexachlorobenzene	ND		0.766	0.572		mg/Kg	☼	75	47 - 100
Hexachlorobutadiene	ND		0.766	0.561		mg/Kg	☼	73	30 - 100
Hexachloroethane	ND		0.766	0.510		mg/Kg	☼	67	48 - 100
Indeno[1,2,3-cd]pyrene	1.4		0.766	2.06		mg/Kg	☼	84	48 - 105
2-Methylphenol	ND		0.766	0.544		mg/Kg	☼	71	50 - 100
Methylphenol, 3 & 4	ND		0.766	0.560		mg/Kg	☼	73	51 - 100
Naphthalene	0.13		0.766	0.694		mg/Kg	☼	73	49 - 100
Nitrobenzene	ND		0.766	0.599		mg/Kg	☼	78	48 - 100
Pentachlorophenol	ND		1.53	0.767	J	mg/Kg	☼	50	31 - 100
Phenanthrene	0.75	F1	0.766	2.15	F1	mg/Kg	☼	183	48 - 106
Phenol	ND		0.766	0.577		mg/Kg	☼	75	49 - 100
Pyrene	3.5		0.766	5.29	4	mg/Kg	☼	229	47 - 100
Pyridine	ND	F1	1.53	0.248	J F1	mg/Kg	☼	16	39 - 106
2,4,5-Trichlorophenol	ND		0.766	0.601		mg/Kg	☼	78	44 - 100
2,4,6-Trichlorophenol	ND		0.766	0.595		mg/Kg	☼	78	44 - 100

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*37 - 107*
2-Fluorophenol (Surr)	*74*		*38 - 106*
Nitrobenzene-d5 (Surr)	*76*		*41 - 112*
Phenol-d5 (Surr)	*74*		*40 - 110*
Terphenyl-d14 (Surr)	*89*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*79*		*22 - 116*

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.040		0.761	0.633		mg/Kg	☼	78	48 - 101	4	22
Acenaphthylene	0.76		0.761	1.37		mg/Kg	☼	80	45 - 104	2	23
Anthracene	0.52		0.761	1.18		mg/Kg	☼	87	50 - 111	4	26
Benzo[a]anthracene	2.1	F1	0.761	3.16	F1	mg/Kg	☼	139	48 - 100	1	24
Benzo[a]pyrene	1.9		0.761	2.44		mg/Kg	☼	71	48 - 106	2	21
Benzo[b]fluoranthene	3.1		0.761	3.46	4	mg/Kg	☼	51	46 - 100	7	26
Benzo[g,h,i]perylene	1.5		0.761	2.01		mg/Kg	☼	69	47 - 105	3	22
Benzo[k]fluoranthene	0.95		0.761	1.61		mg/Kg	☼	87	46 - 107	8	18

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 376996

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chrysene	2.3	F1	0.761	3.23	F1	mg/Kg	☼	118	48 - 100	3	26
Dibenz(a,h)anthracene	0.41		0.761	0.968		mg/Kg	☼	73	47 - 106	18	24
Dibenzofuran	ND		0.761	0.621		mg/Kg	☼	82	49 - 100	1	19
2,4-Dinitrotoluene	ND		0.761	0.596		mg/Kg	☼	78	54 - 107	3	20
1,4-Dioxane	ND		0.761	0.359	J	mg/Kg	☼	47	37 - 106	1	40
Fluoranthene	2.6	F1	0.761	4.30	F1	mg/Kg	☼	221	52 - 100	0	26
Fluorene	0.076		0.761	0.694		mg/Kg	☼	81	49 - 100	2	22
Hexachlorobenzene	ND		0.761	0.550		mg/Kg	☼	72	47 - 100	4	27
Hexachlorobutadiene	ND		0.761	0.564		mg/Kg	☼	74	30 - 100	0	27
Hexachloroethane	ND		0.761	0.500		mg/Kg	☼	66	48 - 100	2	27
Indeno[1,2,3-cd]pyrene	1.4		0.761	2.00		mg/Kg	☼	77	48 - 105	3	22
2-Methylphenol	ND		0.761	0.537		mg/Kg	☼	71	50 - 100	1	27
Methylphenol, 3 & 4	ND		0.761	0.574		mg/Kg	☼	75	51 - 100	2	24
Naphthalene	0.13		0.761	0.694		mg/Kg	☼	74	49 - 100	0	28
Nitrobenzene	ND		0.761	0.599		mg/Kg	☼	79	48 - 100	0	28
Pentachlorophenol	ND		1.52	0.761	J	mg/Kg	☼	50	31 - 100	1	28
Phenanthrene	0.75	F1	0.761	2.08	F1	mg/Kg	☼	176	48 - 106	3	27
Phenol	ND		0.761	0.578		mg/Kg	☼	76	49 - 100	0	30
Pyrene	3.5		0.761	5.10	4	mg/Kg	☼	205	47 - 100	4	27
Pyridine	ND	F1	1.52	0.245	J F1	mg/Kg	☼	16	39 - 106	1	31
2,4,5-Trichlorophenol	ND		0.761	0.574		mg/Kg	☼	75	44 - 100	5	19
2,4,6-Trichlorophenol	ND		0.761	0.553		mg/Kg	☼	73	44 - 100	7	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*37 - 107*
2-Fluorophenol (Surr)	*75*		*38 - 106*
Nitrobenzene-d5 (Surr)	*77*		*41 - 112*
Phenol-d5 (Surr)	*77*		*40 - 110*
Terphenyl-d14 (Surr)	*85*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*76*		*22 - 116*

Lab Sample ID: MB 180-377264/1-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/01/21 19:42	11/02/21 10:57	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-377264/1-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Phenol	ND		0.033	0.010	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Pyridine	ND		0.067	0.018	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/01/21 19:42	11/02/21 10:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*37 - 107*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
2-Fluorophenol (Surr)	*73*		*38 - 106*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
Nitrobenzene-d5 (Surr)	*68*		*41 - 112*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
Phenol-d5 (Surr)	*69*		*40 - 110*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
Terphenyl-d14 (Surr)	*68*		*32 - 115*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*22 - 116*	*11/01/21 19:42*	*11/02/21 10:57*	*1*

Lab Sample ID: LCS 180-377264/2-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.461		mg/Kg		69	48 - 101
Acenaphthylene	0.667	0.471		mg/Kg		71	45 - 104
Anthracene	0.667	0.490		mg/Kg		74	50 - 111
Benzo[a]anthracene	0.667	0.521		mg/Kg		78	48 - 100
Benzo[a]pyrene	0.667	0.438		mg/Kg		66	48 - 106
Benzo[b]fluoranthene	0.667	0.456		mg/Kg		68	46 - 100
Benzo[g,h,i]perylene	0.667	0.429		mg/Kg		64	47 - 105
Benzo[k]fluoranthene	0.667	0.387		mg/Kg		58	46 - 107
Chrysene	0.667	0.466		mg/Kg		70	48 - 100
Dibenz(a,h)anthracene	0.667	0.481		mg/Kg		72	47 - 106
Dibenzofuran	0.667	0.466		mg/Kg		70	49 - 100
2,4-Dinitrotoluene	0.667	0.538		mg/Kg		81	54 - 107
1,4-Dioxane	0.667	0.398		mg/Kg		60	37 - 106
Fluoranthene	0.667	0.514		mg/Kg		77	52 - 100
Fluorene	0.667	0.476		mg/Kg		71	49 - 100
Hexachlorobenzene	0.667	0.454		mg/Kg		68	47 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-377264/2-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	0.667	0.448		mg/Kg		67	30 - 100
Hexachloroethane	0.667	0.459		mg/Kg		69	48 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.470		mg/Kg		70	48 - 105
2-Methylphenol	0.667	0.477		mg/Kg		71	50 - 100
Methylphenol, 3 & 4	0.667	0.481		mg/Kg		72	51 - 100
Naphthalene	0.667	0.469		mg/Kg		70	49 - 100
Nitrobenzene	0.667	0.480		mg/Kg		72	48 - 100
Pentachlorophenol	1.33	1.02		mg/Kg		77	31 - 100
Phenanthrene	0.667	0.474		mg/Kg		71	48 - 106
Phenol	0.667	0.490		mg/Kg		73	49 - 100
Pyrene	0.667	0.476		mg/Kg		71	47 - 100
Pyridine	1.33	0.954		mg/Kg		72	39 - 106
2,4,5-Trichlorophenol	0.667	0.492		mg/Kg		74	44 - 100
2,4,6-Trichlorophenol	0.667	0.472		mg/Kg		71	44 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*37 - 107*
2-Fluorophenol (Surr)	*76*		*38 - 106*
Nitrobenzene-d5 (Surr)	*74*		*41 - 112*
Phenol-d5 (Surr)	*74*		*40 - 110*
Terphenyl-d14 (Surr)	*72*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*75*		*22 - 116*

Lab Sample ID: 180-128974-64 MS
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.023		0.759	0.478		mg/Kg	☼	60	48 - 101
Acenaphthylene	0.66		0.759	1.03		mg/Kg	☼	48	45 - 104
Anthracene	0.40		0.759	0.797		mg/Kg	☼	53	50 - 111
Benzo[a]anthracene	1.2	F1	0.759	1.39	F1	mg/Kg	☼	29	48 - 100
Benzo[a]pyrene	1.1	F1	0.759	1.23	F1	mg/Kg	☼	20	48 - 106
Benzo[b]fluoranthene	1.7	F1	0.759	1.76	F1	mg/Kg	☼	5	46 - 100
Benzo[g,h,i]perylene	1.0	F1	0.759	1.20	F1	mg/Kg	☼	25	47 - 105
Benzo[k]fluoranthene	0.60	F1	0.759	0.795	F1	mg/Kg	☼	25	46 - 107
Chrysene	1.3	F1	0.759	1.41	F1	mg/Kg	☼	13	48 - 100
Dibenz(a,h)anthracene	0.29		0.759	0.656		mg/Kg	☼	49	47 - 106
Dibenzofuran	ND		0.759	0.470		mg/Kg	☼	62	49 - 100
2,4-Dinitrotoluene	ND		0.759	0.474		mg/Kg	☼	62	54 - 107
1,4-Dioxane	ND	F1	0.759	0.263	F1	mg/Kg	☼	35	37 - 106
Fluoranthene	1.4	F1	0.759	1.57	F1	mg/Kg	☼	20	52 - 100
Fluorene	0.047		0.759	0.496		mg/Kg	☼	59	49 - 100
Hexachlorobenzene	ND		0.759	0.414		mg/Kg	☼	55	47 - 100
Hexachlorobutadiene	ND		0.759	0.409		mg/Kg	☼	54	30 - 100
Hexachloroethane	ND		0.759	0.392		mg/Kg	☼	52	48 - 100
Indeno[1,2,3-cd]pyrene	0.97	F1	0.759	1.19	F1	mg/Kg	☼	29	48 - 105
2-Methylphenol	ND		0.759	0.419		mg/Kg	☼	55	50 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-128974-64 MS
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylphenol, 3 & 4	ND		0.759	0.453		mg/Kg	☼	60	51 - 100
Naphthalene	0.11		0.759	0.540		mg/Kg	☼	57	49 - 100
Nitrobenzene	ND		0.759	0.458		mg/Kg	☼	60	48 - 100
Pentachlorophenol	ND	F1	1.52	0.273	J F1	mg/Kg	☼	18	31 - 100
Phenanthrene	0.32	F1	0.759	0.658	F1	mg/Kg	☼	45	48 - 106
Phenol	ND		0.759	0.448		mg/Kg	☼	59	49 - 100
Pyrene	1.7	F1	0.759	1.72	F1	mg/Kg	☼	8	47 - 100
Pyridine	ND	F1	1.52	0.198	J F1	mg/Kg	☼	13	39 - 106
2,4,5-Trichlorophenol	ND		0.759	0.426		mg/Kg	☼	56	44 - 100
2,4,6-Trichlorophenol	ND		0.759	0.416		mg/Kg	☼	55	44 - 100

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*37 - 107*
2-Fluorophenol (Surr)	*60*		*38 - 106*
Nitrobenzene-d5 (Surr)	*63*		*41 - 112*
Phenol-d5 (Surr)	*63*		*40 - 110*
Terphenyl-d14 (Surr)	*60*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*57*		*22 - 116*

Lab Sample ID: 180-128974-64 MSD
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.023		0.759	0.477		mg/Kg	☼	60	48 - 101	0	22
Acenaphthylene	0.66		0.759	1.05		mg/Kg	☼	52	45 - 104	3	23
Anthracene	0.40		0.759	0.839		mg/Kg	☼	58	50 - 111	5	26
Benzo[a]anthracene	1.2	F1	0.759	1.39	F1	mg/Kg	☼	29	48 - 100	0	24
Benzo[a]pyrene	1.1	F1	0.759	1.25	F1	mg/Kg	☼	22	48 - 106	2	21
Benzo[b]fluoranthene	1.7	F1	0.759	1.80	F1	mg/Kg	☼	10	46 - 100	2	26
Benzo[g,h,i]perylene	1.0	F1	0.759	1.26	F1	mg/Kg	☼	32	47 - 105	4	22
Benzo[k]fluoranthene	0.60	F1	0.759	0.814	F1	mg/Kg	☼	28	46 - 107	2	18
Chrysene	1.3	F1	0.759	1.45	F1	mg/Kg	☼	19	48 - 100	3	26
Dibenz(a,h)anthracene	0.29		0.759	0.678		mg/Kg	☼	52	47 - 106	3	24
Dibenzofuran	ND		0.759	0.472		mg/Kg	☼	62	49 - 100	1	19
2,4-Dinitrotoluene	ND		0.759	0.481		mg/Kg	☼	63	54 - 107	2	20
1,4-Dioxane	ND	F1	0.759	0.312		mg/Kg	☼	41	37 - 106	17	40
Fluoranthene	1.4	F1	0.759	1.64	F1	mg/Kg	☼	29	52 - 100	4	26
Fluorene	0.047		0.759	0.501		mg/Kg	☼	60	49 - 100	1	22
Hexachlorobenzene	ND		0.759	0.451		mg/Kg	☼	59	47 - 100	8	27
Hexachlorobutadiene	ND		0.759	0.438		mg/Kg	☼	58	30 - 100	7	27
Hexachloroethane	ND		0.759	0.411		mg/Kg	☼	54	48 - 100	5	27
Indeno[1,2,3-cd]pyrene	0.97	F1	0.759	1.25	F1	mg/Kg	☼	37	48 - 105	5	22
2-Methylphenol	ND		0.759	0.435		mg/Kg	☼	57	50 - 100	4	27
Methylphenol, 3 & 4	ND		0.759	0.484		mg/Kg	☼	64	51 - 100	7	24
Naphthalene	0.11		0.759	0.555		mg/Kg	☼	59	49 - 100	3	28
Nitrobenzene	ND		0.759	0.459		mg/Kg	☼	61	48 - 100	0	28
Pentachlorophenol	ND	F1	1.52	0.278	J F1	mg/Kg	☼	18	31 - 100	2	28

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-128974-64 MSD
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	0.32	F1	0.759	0.694		mg/Kg	☼	49	48 - 106	5	27
Phenol	ND		0.759	0.477		mg/Kg	☼	63	49 - 100	6	30
Pyrene	1.7	F1	0.759	1.71	F1	mg/Kg	☼	7	47 - 100	0	27
Pyridine	ND	F1	1.52	0.209	J F1	mg/Kg	☼	14	39 - 106	6	31
2,4,5-Trichlorophenol	ND		0.759	0.451		mg/Kg	☼	59	44 - 100	6	19
2,4,6-Trichlorophenol	ND		0.759	0.426		mg/Kg	☼	56	44 - 100	2	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*37 - 107*
2-Fluorophenol (Surr)	*65*		*38 - 106*
Nitrobenzene-d5 (Surr)	*66*		*41 - 112*
Phenol-d5 (Surr)	*66*		*40 - 110*
Terphenyl-d14 (Surr)	*60*		*32 - 115*
2,4,6-Tribromophenol (Surr)	*58*		*22 - 116*

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

Lab Sample ID: MB 180-376911/1-A
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/03/21 09:00	11/04/21 12:30	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/03/21 09:00	11/04/21 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*31 - 150*	*11/03/21 09:00*	*11/04/21 12:30*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*31 - 150*	*11/03/21 09:00*	*11/04/21 12:30*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*20 - 150*	*11/03/21 09:00*	*11/04/21 12:30*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*20 - 150*	*11/03/21 09:00*	*11/04/21 12:30*	*1*

Lab Sample ID: LCS 180-376911/2-A
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376911

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.05		mg/Kg		78	61 - 125		
PCB-1260			1.33	1.23		mg/Kg		92	57 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*31 - 150*

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

Lab Sample ID: LCS 180-376911/2-A
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376911

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	104		31 - 150
Tetrachloro-m-xylene (Surr)	101		20 - 150
Tetrachloro-m-xylene (Surr)	94		20 - 150

Lab Sample ID: 180-128974-60 MS
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Prep Type: Total/NA
Prep Batch: 376911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.58	1.42		mg/Kg	☼	90	61 - 125
PCB-1260	0.058		1.58	1.50		mg/Kg	☼	91	57 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	105		31 - 150
DCB Decachlorobiphenyl (Surr)	102		31 - 150
Tetrachloro-m-xylene (Surr)	106		20 - 150
Tetrachloro-m-xylene (Surr)	97		20 - 150

Lab Sample ID: 180-128974-60 MSD
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Prep Type: Total/NA
Prep Batch: 376911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.57	1.35		mg/Kg	☼	86	61 - 125	5	40
PCB-1260	0.058		1.57	1.42		mg/Kg	☼	87	57 - 122	5	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	95		31 - 150
DCB Decachlorobiphenyl (Surr)	97		31 - 150
Tetrachloro-m-xylene (Surr)	103		20 - 150
Tetrachloro-m-xylene (Surr)	93		20 - 150

Lab Sample ID: MB 180-377069/1-C
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1221	ND		0.017	0.0059	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1232	ND		0.017	0.0041	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1242	ND		0.017	0.0024	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1248	ND		0.017	0.0040	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1254	ND		0.017	0.0050	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1260	ND		0.017	0.0047	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1262	ND		0.017	0.0059	mg/Kg		10/30/21 00:40	11/04/21 19:40	1
PCB-1268	ND		0.017	0.0022	mg/Kg		10/30/21 00:40	11/04/21 19:40	1

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

Lab Sample ID: MB 180-377069/1-C
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377069

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	111		31 - 150	10/30/21 00:40	11/04/21 19:40	1
DCB Decachlorobiphenyl (Surr)	111		31 - 150	10/30/21 00:40	11/04/21 19:40	1
Tetrachloro-m-xylene (Surr)	107		20 - 150	10/30/21 00:40	11/04/21 19:40	1
Tetrachloro-m-xylene (Surr)	102		20 - 150	10/30/21 00:40	11/04/21 19:40	1

Lab Sample ID: LCS 180-377069/2-C
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377069

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.03		mg/Kg		78	61 - 125		
PCB-1260			1.33	1.15		mg/Kg		86	57 - 122		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	102		31 - 150
DCB Decachlorobiphenyl (Surr)	101		31 - 150
Tetrachloro-m-xylene (Surr)	101		20 - 150
Tetrachloro-m-xylene (Surr)	97		20 - 150

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.52	1.25		mg/Kg	☼	82	61 - 125		
PCB-1260	0.23	F2 F1	1.52	1.02	F1	mg/Kg	☼	52	57 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	74		31 - 150
DCB Decachlorobiphenyl (Surr)	78		31 - 150
Tetrachloro-m-xylene (Surr)	82		20 - 150
Tetrachloro-m-xylene (Surr)	73		20 - 150

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 377618

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.50	1.83		mg/Kg	☼	122	61 - 125	38	40
PCB-1260	0.23	F2 F1	1.50	1.53	F2	mg/Kg	☼	87	57 - 122	41	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	95		31 - 150
DCB Decachlorobiphenyl (Surr)	104		31 - 150
Tetrachloro-m-xylene (Surr)	98		20 - 150
Tetrachloro-m-xylene (Surr)	85		20 - 150

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

Lab Sample ID: MB 180-377070/1-A
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/04/21 11:40	11/05/21 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*31 - 150*	*11/04/21 11:40*	*11/05/21 11:08*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*31 - 150*	*11/04/21 11:40*	*11/05/21 11:08*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*20 - 150*	*11/04/21 11:40*	*11/05/21 11:08*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*20 - 150*	*11/04/21 11:40*	*11/05/21 11:08*	*1*

Lab Sample ID: LCS 180-377070/2-A
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377070

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.11		mg/Kg		83	61 - 125		
PCB-1260			1.33	1.30		mg/Kg		97	57 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*117*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*112*		*31 - 150*
Tetrachloro-m-xylene (Surr)	*109*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*104*		*20 - 150*

Lab Sample ID: 180-128974-64 MS
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA
Prep Batch: 377070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.50	1.63		mg/Kg	☼	109	61 - 125		
PCB-1260	0.10		1.50	1.55		mg/Kg	☼	97	57 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*108*		*31 - 150*
Tetrachloro-m-xylene (Surr)	*113*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*104*		*20 - 150*

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

Lab Sample ID: 180-128974-64 MSD
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA
Prep Batch: 377070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.52	1.67		mg/Kg	☼	110	61 - 125	2	40
PCB-1260	0.10		1.52	1.67		mg/Kg	☼	103	57 - 122	7	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*115*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*126*		*31 - 150*
Tetrachloro-m-xylene (Surr)	*119*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*106*		*20 - 150*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-376748/1-A
Matrix: Solid
Analysis Batch: 377111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0039	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Barium	ND		0.20	0.011	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Beryllium	ND		0.0040	0.00023	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Cadmium	ND		0.0050	0.00036	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Chromium	ND		0.0050	0.0041	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Copper	ND		0.025	0.023	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Lead	ND		0.010	0.0051	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Manganese	ND		0.015	0.0041	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Nickel	ND		0.040	0.0025	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Selenium	ND		0.010	0.0052	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Silver	ND		0.0050	0.0011	mg/Kg		10/28/21 09:00	10/29/21 12:52	1
Zinc	ND		0.020	0.016	mg/Kg		10/28/21 09:00	10/29/21 12:52	1

Lab Sample ID: PB 180-376296/1-G
Matrix: Solid
Analysis Batch: 377111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376748

Analyte	PB Result	PB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0039	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Barium	ND		0.20	0.011	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Beryllium	ND		0.0040	0.00023	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Cadmium	ND		0.0050	0.00036	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Chromium	ND		0.0050	0.0041	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Copper	ND		0.025	0.023	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Lead	ND		0.010	0.0051	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Manganese	ND		0.015	0.0041	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Nickel	ND		0.040	0.0025	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Selenium	ND		0.010	0.0052	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Silver	ND		0.0050	0.0011	mg/Kg		10/28/21 09:00	10/29/21 14:15	1
Zinc	ND		0.020	0.016	mg/Kg		10/28/21 09:00	10/29/21 14:15	1

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

Lab Sample ID: MB 180-376829/1-A
Matrix: Solid
Analysis Batch: 377111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Barium	ND		20	1.1	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Beryllium	ND		0.40	0.023	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Cadmium	ND		0.50	0.036	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Chromium	ND		0.50	0.41	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Copper	ND		2.5	2.3	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Lead	ND		1.0	0.51	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Manganese	ND		1.5	0.41	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Nickel	ND		4.0	0.25	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Selenium	ND		1.0	0.52	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Silver	ND		0.50	0.11	mg/Kg		10/28/21 09:41	10/29/21 19:09	1
Zinc	ND		2.0	1.6	mg/Kg		10/28/21 09:41	10/29/21 19:09	1

Lab Sample ID: LCS 180-376829/2-A
Matrix: Solid
Analysis Batch: 377111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	98.9		mg/Kg		99	80 - 120
Barium	100	96.1		mg/Kg		96	80 - 120
Beryllium	50.0	48.9		mg/Kg		98	80 - 120
Cadmium	50.0	47.1		mg/Kg		94	80 - 120
Chromium	50.0	49.0		mg/Kg		98	80 - 120
Copper	50.0	49.1		mg/Kg		98	80 - 120
Lead	50.0	46.6		mg/Kg		93	80 - 120
Manganese	50.0	48.0		mg/Kg		96	80 - 120
Nickel	50.0	47.3		mg/Kg		95	80 - 120
Selenium	100	95.4		mg/Kg		95	80 - 120
Silver	25.0	23.9		mg/Kg		95	80 - 120
Zinc	25.0	23.4		mg/Kg		94	80 - 120

Lab Sample ID: LCSD 180-376829/3-A
Matrix: Solid
Analysis Batch: 377111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 376829

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	100	104		mg/Kg		104	80 - 120	5	20
Barium	100	100		mg/Kg		100	80 - 120	4	20
Beryllium	50.0	50.8		mg/Kg		102	80 - 120	4	20
Cadmium	50.0	49.1		mg/Kg		98	80 - 120	4	20
Chromium	50.0	50.2		mg/Kg		100	80 - 120	2	20
Copper	50.0	50.5		mg/Kg		101	80 - 120	3	20
Lead	50.0	49.2		mg/Kg		98	80 - 120	6	20
Manganese	50.0	49.1		mg/Kg		98	80 - 120	2	20
Nickel	50.0	49.6		mg/Kg		99	80 - 120	5	20
Selenium	100	99.8		mg/Kg		100	80 - 120	4	20
Silver	25.0	24.4		mg/Kg		98	80 - 120	2	20
Zinc	25.0	24.5		mg/Kg		98	80 - 120	4	20

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

Lab Sample ID: MB 180-377244/1-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	1.1	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Beryllium	ND		0.40	0.023	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Cadmium	ND		0.50	0.036	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Chromium	ND		0.50	0.41	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Copper	ND		2.5	2.3	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Lead	ND		1.0	0.51	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Manganese	ND		1.5	0.41	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Nickel	ND		4.0	0.25	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Selenium	ND		1.0	0.52	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Silver	ND		0.50	0.11	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Zinc	ND		2.0	1.6	mg/Kg		11/03/21 10:22	11/04/21 12:50	1

Lab Sample ID: MB 180-377244/1-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/03/21 10:22	11/05/21 10:12	1

Lab Sample ID: LCS 180-377244/2-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	100	96.8		mg/Kg		97	80 - 120
Beryllium	50.0	48.3		mg/Kg		97	80 - 120
Cadmium	50.0	48.2		mg/Kg		96	80 - 120
Chromium	50.0	47.7		mg/Kg		95	80 - 120
Copper	50.0	48.9		mg/Kg		98	80 - 120
Lead	50.0	46.6		mg/Kg		93	80 - 120
Manganese	50.0	47.5		mg/Kg		95	80 - 120
Nickel	50.0	47.5		mg/Kg		95	80 - 120
Selenium	100	96.3		mg/Kg		96	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	23.5		mg/Kg		94	80 - 120

Lab Sample ID: LCS 180-377244/2-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	99.1		mg/Kg		99	80 - 120

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	57	F1 F2	102	187	F1	mg/Kg	☼	127	75 - 125

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

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.22	J	51.2	40.4		mg/Kg	☼	79	75 - 125
Cadmium	0.091	J	51.2	40.2		mg/Kg	☼	78	75 - 125
Chromium	6.6		51.2	49.0		mg/Kg	☼	83	75 - 125
Copper	23		51.2	64.8		mg/Kg	☼	82	75 - 125
Lead	22		51.2	80.2		mg/Kg	☼	114	75 - 125
Manganese	190	F1 F2	51.2	255		mg/Kg	☼	125	75 - 125
Nickel	11		51.2	55.8		mg/Kg	☼	88	75 - 125
Selenium	0.54	J	102	80.1		mg/Kg	☼	78	75 - 125
Silver	ND		25.6	19.9		mg/Kg	☼	78	75 - 125
Zinc	38	F1	25.6	71.5	F1	mg/Kg	☼	130	75 - 125

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.5		102	86.4		mg/Kg	☼	80	75 - 125

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	57	F1 F2	105	152	F2	mg/Kg	☼	90	75 - 125	21	20
Beryllium	0.22	J	52.6	40.8		mg/Kg	☼	77	75 - 125	1	20
Cadmium	0.091	J	52.6	40.4		mg/Kg	☼	77	75 - 125	1	20
Chromium	6.6		52.6	51.1		mg/Kg	☼	85	75 - 125	4	20
Copper	23		52.6	70.2		mg/Kg	☼	90	75 - 125	8	20
Lead	22		52.6	65.6		mg/Kg	☼	83	75 - 125	20	20
Manganese	190	F1 F2	52.6	376	F1 F2	mg/Kg	☼	352	75 - 125	38	20
Nickel	11		52.6	59.1		mg/Kg	☼	92	75 - 125	6	20
Selenium	0.54	J	105	80.2		mg/Kg	☼	76	75 - 125	0	20
Silver	ND		26.3	20.1		mg/Kg	☼	77	75 - 125	1	20
Zinc	38	F1	26.3	77.3	F1	mg/Kg	☼	149	75 - 125	8	20

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.5		105	88.6		mg/Kg	☼	80	75 - 125	2	20

Lab Sample ID: MB 180-377245/1-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	1.1	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Beryllium	ND		0.40	0.023	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Cadmium	ND		0.50	0.036	mg/Kg		11/01/21 15:26	11/04/21 14:47	1

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

Lab Sample ID: MB 180-377245/1-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50	0.41	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Copper	ND		2.5	2.3	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Lead	ND		1.0	0.51	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Manganese	ND		1.5	0.41	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Nickel	ND		4.0	0.25	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Selenium	ND		1.0	0.52	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Silver	ND		0.50	0.11	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Zinc	ND		2.0	1.6	mg/Kg		11/01/21 15:26	11/04/21 14:47	1

Lab Sample ID: MB 180-377245/1-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/01/21 15:26	11/05/21 16:54	1

Lab Sample ID: LCS 180-377245/2-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	100	96.9		mg/Kg		97	80 - 120
Beryllium	50.0	48.6		mg/Kg		97	80 - 120
Cadmium	50.0	48.7		mg/Kg		97	80 - 120
Chromium	50.0	47.6		mg/Kg		95	80 - 120
Copper	50.0	48.5		mg/Kg		97	80 - 120
Lead	50.0	46.8		mg/Kg		94	80 - 120
Manganese	50.0	47.5		mg/Kg		95	80 - 120
Nickel	50.0	47.9		mg/Kg		96	80 - 120
Selenium	100	98.1		mg/Kg		98	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120
Zinc	25.0	23.7		mg/Kg		95	80 - 120

Lab Sample ID: LCS 180-377245/2-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-377134/1-A
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/01/21 07:55	11/02/21 12:45	1

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

Lab Sample ID: LCS 180-377134/2-A
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377134

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.410	0.400		mg/Kg		98	80 - 120		

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.039		0.190	0.209		mg/Kg	☼	90	80 - 120		

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.039		0.170	0.200		mg/Kg	☼	95	80 - 120	4	20

Lab Sample ID: MB 180-377135/1-A
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/01/21 07:57	11/02/21 12:16	1

Lab Sample ID: LCS 180-377135/2-A
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377135

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.410	0.412		mg/Kg		101	80 - 120		

Method: 2540G - SM 2540G

Lab Sample ID: 180-128974-60 DU
Matrix: Solid
Analysis Batch: 376891

Client Sample ID: SSHS-IRM5A2-A1-DUP1C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16.7			15.7		%				6	10
Percent Solids	83.3			84.3		%				1	10

Lab Sample ID: 180-128974-64 DU
Matrix: Solid
Analysis Batch: 377259

Client Sample ID: SSHS-IRM5A2-A1-A12C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.3			12.5		%				6	10
Percent Solids	86.7			87.5		%				0.9	10

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-128974-31 DU
Matrix: Solid
Analysis Batch: 377260

Client Sample ID: SSHS-IRM5A2-A1-A20A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.3		11.6	F3	%		20	10
Percent Solids	85.7		88.4		%		3	10

Lab Sample ID: 180-128974-62 DU
Matrix: Solid
Analysis Batch: 377262

Client Sample ID: SSHS-IRM5A2-A1-A28B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12.8		13.4		%		4	10
Percent Solids	87.2		86.6		%		0.6	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-376841/1-A
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 376841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		10/28/21 11:00	10/29/21 15:52	1

Lab Sample ID: LCSI 180-376841/3-A
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376841

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	598		mg/Kg		84	80 - 120

Lab Sample ID: LCSS 180-376841/2-A
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 376841

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.6		mg/Kg		83	80 - 120

Lab Sample ID: 180-128974-33 MSI
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		825	715		mg/Kg	☼	87	75 - 125

Lab Sample ID: 180-128974-33 MSS
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		23.1	18.5		mg/Kg	☼	80	75 - 125

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 180-128974-33 DU
Matrix: Solid
Analysis Batch: 377047

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 376841

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Lab Sample ID: MB 180-377500/1-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/03/21 11:30	11/06/21 18:26	1

Lab Sample ID: LCSI 180-377500/3-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	708		mg/Kg		100	80 - 120

Lab Sample ID: LCSS 180-377500/2-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.1		mg/Kg		91	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-377504/4-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/03/21 16:45	11/04/21 11:41	1

Lab Sample ID: HLCS 180-377504/2-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377504

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-377504/3-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	18.2		mg/Kg		79	17 - 163

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: MB 180-377505/4-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/03/21 16:45	11/04/21 12:33	1

Lab Sample ID: HLCS 180-377505/2-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.262		mg/Kg		105	90 - 110

Lab Sample ID: LCS 180-377505/3-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.4		mg/Kg		84	17 - 163

Lab Sample ID: LLCS 180-377505/1-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0522		mg/Kg		104	90 - 110

Lab Sample ID: 180-128974-33 MS
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.55		5.03	6.23		mg/Kg	☼	113	75 - 125

Lab Sample ID: 180-128974-33 MSD
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: SSHS-IRM5A2-A1-A20C
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.55		4.63	6.20		mg/Kg	☼	122	75 - 125	1	20

GC/MS VOA

Analysis Batch: 376667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-1	SSHS-IRM5A2-A1-A10A	Total/NA	Solid	EPA 8260C	376684
180-128974-2	SSHS-IRM5A2-A1-A10B	Total/NA	Solid	EPA 8260C	376684
180-128974-4	SSHS-IRM5A2-A1-A11A	Total/NA	Solid	EPA 8260C	376684
180-128974-5	SSHS-IRM5A2-A1-A11B	Total/NA	Solid	EPA 8260C	376684
180-128974-7	SSHS-IRM5A2-A1-A12A	Total/NA	Solid	EPA 8260C	376684
MB 180-376667/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376667/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-376667/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 376684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-1	SSHS-IRM5A2-A1-A10A	Total/NA	Solid	5035	
180-128974-2	SSHS-IRM5A2-A1-A10B	Total/NA	Solid	5035	
180-128974-4	SSHS-IRM5A2-A1-A11A	Total/NA	Solid	5035	
180-128974-5	SSHS-IRM5A2-A1-A11B	Total/NA	Solid	5035	
180-128974-7	SSHS-IRM5A2-A1-A12A	Total/NA	Solid	5035	

Analysis Batch: 376795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-1 - RA	SSHS-IRM5A2-A1-A10A	Total/NA	Solid	EPA 8260C	376820
180-128974-8	SSHS-IRM5A2-A1-A12B	Total/NA	Solid	EPA 8260C	376820
180-128974-10	SSHS-IRM5A2-A1-A13A	Total/NA	Solid	EPA 8260C	376820
180-128974-11	SSHS-IRM5A2-A1-A13B	Total/NA	Solid	EPA 8260C	376820
180-128974-13	SSHS-IRM5A2-A1-A14A	Total/NA	Solid	EPA 8260C	376820
180-128974-14	SSHS-IRM5A2-A1-A14B	Total/NA	Solid	EPA 8260C	376820
180-128974-17	SSHS-IRM5A2-A1-A15B	Total/NA	Solid	EPA 8260C	376820
180-128974-19	SSHS-IRM5A2-A1-A16A	Total/NA	Solid	EPA 8260C	376820
180-128974-20	SSHS-IRM5A2-A1-A16B	Total/NA	Solid	EPA 8260C	376820
180-128974-22	SSHS-IRM5A2-A1-A17A	Total/NA	Solid	EPA 8260C	376820
180-128974-23	SSHS-IRM5A2-A1-A17B	Total/NA	Solid	EPA 8260C	376820
180-128974-25	SSHS-IRM5A2-A1-A18A	Total/NA	Solid	EPA 8260C	376820
180-128974-26	SSHS-IRM5A2-A1-A18B	Total/NA	Solid	EPA 8260C	376820
180-128974-28	SSHS-IRM5A2-A1-A19A	Total/NA	Solid	EPA 8260C	376820
180-128974-29	SSHS-IRM5A2-A1-A19B	Total/NA	Solid	EPA 8260C	376820
180-128974-31	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	EPA 8260C	376820
MB 180-376795/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376795/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-128974-31 MS	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	EPA 8260C	376820
180-128974-31 MSD	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	EPA 8260C	376820

Analysis Batch: 376815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-32	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	EPA 8260C	376881
180-128974-34	SSHS-IRM5A2-A1-A21A	Total/NA	Solid	EPA 8260C	376881
180-128974-35	SSHS-IRM5A2-A1-A21B	Total/NA	Solid	EPA 8260C	376881
180-128974-37	SSHS-IRM5A2-A1-A22A	Total/NA	Solid	EPA 8260C	376881
180-128974-38	SSHS-IRM5A2-A1-A22B	Total/NA	Solid	EPA 8260C	376881
180-128974-40	SSHS-IRM5A2-A1-DUP2A	Total/NA	Solid	EPA 8260C	376881
180-128974-43	SSHS-IRM5A2-A1-A23A	Total/NA	Solid	EPA 8260C	376881
180-128974-44	SSHS-IRM5A2-A1-A23B	Total/NA	Solid	EPA 8260C	376881
180-128974-46	SSHS-IRM5A2-A1-A24A	Total/NA	Solid	EPA 8260C	376881

GC/MS VOA (Continued)

Analysis Batch: 376815 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-47	SSHS-IRM5A2-A1-A24B	Total/NA	Solid	EPA 8260C	376881
180-128974-49	SSHS-IRM5A2-A1-A25A	Total/NA	Solid	EPA 8260C	376881
180-128974-58	SSHS-IRM5A2-A1-DUP1A	Total/NA	Solid	EPA 8260C	376881
MB 180-376815/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376815/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-128974-32 MSD	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	EPA 8260C	376881

Prep Batch: 376820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-1 - RA	SSHS-IRM5A2-A1-A10A	Total/NA	Solid	5035	
180-128974-8	SSHS-IRM5A2-A1-A12B	Total/NA	Solid	5035	
180-128974-10	SSHS-IRM5A2-A1-A13A	Total/NA	Solid	5035	
180-128974-11	SSHS-IRM5A2-A1-A13B	Total/NA	Solid	5035	
180-128974-13	SSHS-IRM5A2-A1-A14A	Total/NA	Solid	5035	
180-128974-14	SSHS-IRM5A2-A1-A14B	Total/NA	Solid	5035	
180-128974-17	SSHS-IRM5A2-A1-A15B	Total/NA	Solid	5035	
180-128974-19	SSHS-IRM5A2-A1-A16A	Total/NA	Solid	5035	
180-128974-20	SSHS-IRM5A2-A1-A16B	Total/NA	Solid	5035	
180-128974-22	SSHS-IRM5A2-A1-A17A	Total/NA	Solid	5035	
180-128974-23	SSHS-IRM5A2-A1-A17B	Total/NA	Solid	5035	
180-128974-25	SSHS-IRM5A2-A1-A18A	Total/NA	Solid	5035	
180-128974-26	SSHS-IRM5A2-A1-A18B	Total/NA	Solid	5035	
180-128974-28	SSHS-IRM5A2-A1-A19A	Total/NA	Solid	5035	
180-128974-29	SSHS-IRM5A2-A1-A19B	Total/NA	Solid	5035	
180-128974-31	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	5035	
180-128974-31 MS	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	5035	
180-128974-31 MSD	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	5035	

Prep Batch: 376881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-32	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	5035	
180-128974-34	SSHS-IRM5A2-A1-A21A	Total/NA	Solid	5035	
180-128974-35	SSHS-IRM5A2-A1-A21B	Total/NA	Solid	5035	
180-128974-37	SSHS-IRM5A2-A1-A22A	Total/NA	Solid	5035	
180-128974-38	SSHS-IRM5A2-A1-A22B	Total/NA	Solid	5035	
180-128974-40	SSHS-IRM5A2-A1-DUP2A	Total/NA	Solid	5035	
180-128974-43	SSHS-IRM5A2-A1-A23A	Total/NA	Solid	5035	
180-128974-44	SSHS-IRM5A2-A1-A23B	Total/NA	Solid	5035	
180-128974-46	SSHS-IRM5A2-A1-A24A	Total/NA	Solid	5035	
180-128974-47	SSHS-IRM5A2-A1-A24B	Total/NA	Solid	5035	
180-128974-49	SSHS-IRM5A2-A1-A25A	Total/NA	Solid	5035	
180-128974-58	SSHS-IRM5A2-A1-DUP1A	Total/NA	Solid	5035	
180-128974-32 MSD	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	5035	

Analysis Batch: 376951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-35 - RA	SSHS-IRM5A2-A1-A21B	Total/NA	Solid	EPA 8260C	377033
180-128974-37 - RA	SSHS-IRM5A2-A1-A22A	Total/NA	Solid	EPA 8260C	377033
180-128974-40 - RA	SSHS-IRM5A2-A1-DUP2A	Total/NA	Solid	EPA 8260C	377033
180-128974-41	SSHS-IRM5A2-A1-DUP2B	Total/NA	Solid	EPA 8260C	377033
180-128974-49 - RA	SSHS-IRM5A2-A1-A25A	Total/NA	Solid	EPA 8260C	377033

GC/MS VOA (Continued)

Analysis Batch: 376951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-56	SSHS-IRM5A2-A1-A27B	Total/NA	Solid	EPA 8260C	377033
180-128974-59	SSHS-IRM5A2-A1-DUP1B	Total/NA	Solid	EPA 8260C	377033
180-128974-61	SSHS-IRM5A2-A1-A28A	Total/NA	Solid	EPA 8260C	377033
180-128974-62	SSHS-IRM5A2-A1-A28B	Total/NA	Solid	EPA 8260C	377033
MB 180-376951/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-376951/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-376951/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 377033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-35 - RA	SSHS-IRM5A2-A1-A21B	Total/NA	Solid	5035	
180-128974-37 - RA	SSHS-IRM5A2-A1-A22A	Total/NA	Solid	5035	
180-128974-40 - RA	SSHS-IRM5A2-A1-DUP2A	Total/NA	Solid	5035	
180-128974-41	SSHS-IRM5A2-A1-DUP2B	Total/NA	Solid	5035	
180-128974-49 - RA	SSHS-IRM5A2-A1-A25A	Total/NA	Solid	5035	
180-128974-56	SSHS-IRM5A2-A1-A27B	Total/NA	Solid	5035	
180-128974-59	SSHS-IRM5A2-A1-DUP1B	Total/NA	Solid	5035	
180-128974-61	SSHS-IRM5A2-A1-A28A	Total/NA	Solid	5035	
180-128974-62	SSHS-IRM5A2-A1-A28B	Total/NA	Solid	5035	

Analysis Batch: 377119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-50	SSHS-IRM5A2-A1-A25B	Total/NA	Solid	EPA 8260C	377141
180-128974-52	SSHS-IRM5A2-A1-A26A	Total/NA	Solid	EPA 8260C	377141
180-128974-53	SSHS-IRM5A2-A1-A26B	Total/NA	Solid	EPA 8260C	377141
MB 180-377119/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377119/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377119/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Analysis Batch: 377125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-13 - RA	SSHS-IRM5A2-A1-A14A	Total/NA	Solid	EPA 8260C	377150
180-128974-32 - RA	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	EPA 8260C	377150
MB 180-377125/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377125/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377125/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-128974-32 MS	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	EPA 8260C	377150

Prep Batch: 377141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-50	SSHS-IRM5A2-A1-A25B	Total/NA	Solid	5035	
180-128974-52	SSHS-IRM5A2-A1-A26A	Total/NA	Solid	5035	
180-128974-53	SSHS-IRM5A2-A1-A26B	Total/NA	Solid	5035	

Prep Batch: 377150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-13 - RA	SSHS-IRM5A2-A1-A14A	Total/NA	Solid	5035	
180-128974-32 - RA	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	5035	
180-128974-32 MS	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	5035	

GC/MS VOA

Analysis Batch: 377418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-55	SSHS-IRM5A2-A1-A27A	Total/NA	Solid	EPA 8260C	377440
MB 180-377418/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377418/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 377440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-55	SSHS-IRM5A2-A1-A27A	Total/NA	Solid	5035	

Analysis Batch: 377560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-16	SSHS-IRM5A2-A1-A15A	Total/NA	Solid	EPA 8260C	377656
180-128974-20 - RA	SSHS-IRM5A2-A1-A16B	Total/NA	Solid	EPA 8260C	377656
180-128974-25 - RA	SSHS-IRM5A2-A1-A18A	Total/NA	Solid	EPA 8260C	377656
MB 180-377560/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377560/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377560/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 377656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-16	SSHS-IRM5A2-A1-A15A	Total/NA	Solid	5035	
180-128974-20 - RA	SSHS-IRM5A2-A1-A16B	Total/NA	Solid	5035	
180-128974-25 - RA	SSHS-IRM5A2-A1-A18A	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 376767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3541	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3541	
180-128974-57 - DL	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3541	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3541	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	3541	
MB 180-376767/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-376767/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-128974-54 MS	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3541	
180-128974-54 MSD	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3541	

Analysis Batch: 376805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-57 - DL	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 8270D LL	376767

Analysis Batch: 376825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 8270D LL	376767
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 8270D LL	376767
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 8270D LL	376767
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	EPA 8270D LL	376767
MB 180-376767/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	376767
LCS 180-376767/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	376767
180-128974-54 MS	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 8270D LL	376767
180-128974-54 MSD	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 8270D LL	376767

GC/MS Semi VOA

Prep Batch: 376908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	3541	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	3541	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	3541	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	3541	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	3541	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	3541	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	3541	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3541	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	3541	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	3541	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	3541	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	3541	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	3541	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	3541	
MB 180-376908/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-376908/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3541	
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3541	

Analysis Batch: 376996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 8270D LL	376908
MB 180-376908/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	376908
LCS 180-376908/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	376908
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 8270D LL	376908
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 8270D LL	376908

Prep Batch: 377264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3541	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	3541	
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	3541	
MB 180-377264/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377264/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-128974-64 MS	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3541	
180-128974-64 MSD	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3541	

QC Association Summary

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

Job ID: 180-128974-1

GC/MS Semi VOA

Analysis Batch: 377325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 8270D LL	377264
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 8270D LL	377264
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 8270D LL	377264
MB 180-377264/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	377264
LCS 180-377264/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	377264
180-128974-64 MS	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 8270D LL	377264
180-128974-64 MSD	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 8270D LL	377264

GC Semi VOA

Prep Batch: 376911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3541	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	3541	
MB 180-376911/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-376911/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-128974-60 MS	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3541	
180-128974-60 MSD	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3541	

Prep Batch: 377069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	3541	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	3541	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	3541	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	3541	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	3541	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	3541	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	3541	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3541	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	3541	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	3541	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	3541	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	3541	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	3541	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	3541	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3541	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3541	
MB 180-377069/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-377069/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3541	
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3541	

Prep Batch: 377070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3541	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	3541	
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	3541	
MB 180-377070/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377070/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-128974-64 MS	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3541	
180-128974-64 MSD	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3541	

GC Semi VOA

Cleanup Batch: 377615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3665A	376911
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	3665A	376911
180-128974-60 MS	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3665A	376911
180-128974-60 MSD	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3665A	376911

Cleanup Batch: 377616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3660B	377615
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	3660B	377615
180-128974-60 MS	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3660B	377615
180-128974-60 MSD	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3660B	377615

Analysis Batch: 377618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	EPA 8082A	377637
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	EPA 8082A	377637
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	EPA 8082A	377637
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	EPA 8082A	377637
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	EPA 8082A	377637
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	EPA 8082A	377637
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	EPA 8082A	377637
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 8082A	377637
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	EPA 8082A	377637
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	EPA 8082A	377637
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	EPA 8082A	377637
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	EPA 8082A	377637
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	EPA 8082A	377637
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 8082A	377637
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 8082A	377637
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 8082A	377637
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 8082A	377616
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	EPA 8082A	377616
MB 180-376911/1-A	Method Blank	Total/NA	Solid	EPA 8082A	376911
MB 180-377069/1-C	Method Blank	Total/NA	Solid	EPA 8082A	377637
LCS 180-376911/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	376911
LCS 180-377069/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	377637
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 8082A	377637
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 8082A	377637
180-128974-60 MS	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 8082A	377616
180-128974-60 MSD	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 8082A	377616

Cleanup Batch: 377635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	3665A	377069
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	3665A	377069
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	3665A	377069
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	3665A	377069
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	3665A	377069
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	3665A	377069
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	3665A	377069
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3665A	377069

GC Semi VOA (Continued)

Cleanup Batch: 377635 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	3665A	377069
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	3665A	377069
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	3665A	377069
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	3665A	377069
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	3665A	377069
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	3665A	377069
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3665A	377069
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3665A	377069
MB 180-377069/1-C	Method Blank	Total/NA	Solid	3665A	377069
LCS 180-377069/2-C	Lab Control Sample	Total/NA	Solid	3665A	377069
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3665A	377069
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3665A	377069

Cleanup Batch: 377637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	3660B	377635
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	3660B	377635
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	3660B	377635
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	3660B	377635
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	3660B	377635
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	3660B	377635
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	3660B	377635
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3660B	377635
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	3660B	377635
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	3660B	377635
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	3660B	377635
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	3660B	377635
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	3660B	377635
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	3660B	377635
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3660B	377635
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3660B	377635
MB 180-377069/1-C	Method Blank	Total/NA	Solid	3660B	377635
LCS 180-377069/2-C	Lab Control Sample	Total/NA	Solid	3660B	377635
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3660B	377635
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3660B	377635

Cleanup Batch: 377762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3665A	377070
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	3665A	377070
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	3665A	377070
180-128974-64 MS	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3665A	377070
180-128974-64 MSD	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3665A	377070

Cleanup Batch: 377764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3660B	377762
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	3660B	377762
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	3660B	377762
180-128974-64 MS	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3660B	377762
180-128974-64 MSD	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3660B	377762

GC Semi VOA

Analysis Batch: 377769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 8082A	377764
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 8082A	377764
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 8082A	377764
MB 180-377070/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377070
LCS 180-377070/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377070
180-128974-64 MS	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 8082A	377764
180-128974-64 MSD	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 8082A	377764

Metals

Filtration Batch: 376296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
PB 180-376296/1-G	Method Blank	Total/NA	Solid	Filtration	

Prep Batch: 376748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-376748/1-A	Method Blank	Total/NA	Solid	3005A	
PB 180-376296/1-G	Method Blank	Total/NA	Solid	3005A	376296

Prep Batch: 376829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	3050B	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	3050B	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	3050B	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	3050B	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	3050B	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	3050B	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	3050B	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	3050B	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	3050B	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	3050B	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	3050B	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	3050B	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	3050B	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3050B	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3050B	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3050B	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	3050B	
MB 180-376829/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-376829/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 180-376829/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 377111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	EPA 6010C	376829
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	EPA 6010C	376829
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	EPA 6010C	376829
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	EPA 6010C	376829
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	EPA 6010C	376829
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	EPA 6010C	376829
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	EPA 6010C	376829

Metals (Continued)

Analysis Batch: 377111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	EPA 6010C	376829
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	EPA 6010C	376829
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	EPA 6010C	376829
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	EPA 6010C	376829
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	EPA 6010C	376829
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 6010C	376829
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 6010C	376829
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 6010C	376829
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 6010C	376829
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	EPA 6010C	376829
MB 180-376748/1-A	Method Blank	Total/NA	Solid	EPA 6010C	376748
MB 180-376829/1-A	Method Blank	Total/NA	Solid	EPA 6010C	376829
PB 180-376296/1-G	Method Blank	Total/NA	Solid	EPA 6010C	376748
LCS 180-376829/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	376829
LCSD 180-376829/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 6010C	376829

Prep Batch: 377134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	7471B	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	7471B	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	7471B	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	7471B	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	7471B	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	7471B	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	7471B	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	7471B	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	7471B	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	7471B	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	7471B	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	7471B	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	7471B	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	7471B	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	7471B	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	7471B	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	7471B	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	7471B	
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	7471B	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	7471B	
MB 180-377134/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-377134/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	7471B	
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	7471B	

Prep Batch: 377135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	7471B	
MB 180-377135/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-377135/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Metals

Prep Batch: 377244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3050B	
MB 180-377244/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-377244/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3050B	
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3050B	

Prep Batch: 377245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3050B	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	3050B	
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	3050B	
MB 180-377245/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-377245/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 377272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 6010C	376829

Analysis Batch: 377381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	EPA 7471B	377134
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	EPA 7471B	377134
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	EPA 7471B	377134
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	EPA 7471B	377134
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	EPA 7471B	377134
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	EPA 7471B	377134
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	EPA 7471B	377134
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7471B	377134
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	EPA 7471B	377134
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	EPA 7471B	377134
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	EPA 7471B	377134
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	EPA 7471B	377134
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	EPA 7471B	377134
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 7471B	377134
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 7471B	377134
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 7471B	377134
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 7471B	377134
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	EPA 7471B	377134
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 7471B	377134
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 7471B	377134
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 7471B	377135
MB 180-377134/1-A	Method Blank	Total/NA	Solid	EPA 7471B	377134
MB 180-377135/1-A	Method Blank	Total/NA	Solid	EPA 7471B	377135
LCS 180-377134/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	377134
LCS 180-377135/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	377135
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7471B	377134
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7471B	377134

Analysis Batch: 377719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 6010C	377244

Metals (Continued)

Analysis Batch: 377719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 6010C	377245
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 6010C	377245
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 6010C	377245
MB 180-377244/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377244
MB 180-377245/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377245
LCS 180-377244/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377244
LCS 180-377245/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377245
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 6010C	377244
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 6010C	377244

Analysis Batch: 377996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 6010C	377244
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 6010C	377245
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 6010C	377245
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 6010C	377245
MB 180-377244/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377244
MB 180-377245/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377245
LCS 180-377244/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377244
LCS 180-377245/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377245
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 6010C	377244
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 6010C	377244

General Chemistry

Prep Batch: 376841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	3060A	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	3060A	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	3060A	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	3060A	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	3060A	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	3060A	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	3060A	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3060A	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	3060A	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	3060A	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	3060A	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	3060A	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	3060A	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	3060A	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	3060A	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	3060A	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	3060A	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	3060A	
MB 180-376841/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-376841/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-376841/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-128974-33 MSI	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3060A	
180-128974-33 MSS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3060A	
180-128974-33 DU	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	3060A	

General Chemistry

Analysis Batch: 376891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	2540G	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	2540G	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	2540G	
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	2540G	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	2540G	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	2540G	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	2540G	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	2540G	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	2540G	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	2540G	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	2540G	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	2540G	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	2540G	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	2540G	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	2540G	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	2540G	
180-128974-60 DU	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	2540G	

Analysis Batch: 376893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	2540G	

Analysis Batch: 377047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	EPA 7196A	376841
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	EPA 7196A	376841
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	EPA 7196A	376841
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	EPA 7196A	376841
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	EPA 7196A	376841
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	EPA 7196A	376841
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	EPA 7196A	376841
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7196A	376841
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	EPA 7196A	376841
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	EPA 7196A	376841
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	EPA 7196A	376841
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	EPA 7196A	376841
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	EPA 7196A	376841
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 7196A	376841
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 7196A	376841
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 7196A	376841
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 7196A	376841
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	EPA 7196A	376841
MB 180-376841/1-A	Method Blank	Total/NA	Solid	EPA 7196A	376841
LCSI 180-376841/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	376841
LCSS 180-376841/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	376841
180-128974-33 MSI	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7196A	376841
180-128974-33 MSS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7196A	376841
180-128974-33 DU	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 7196A	376841

General Chemistry

Analysis Batch: 377257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-1	SSHS-IRM5A2-A1-A10A	Total/NA	Solid	2540G	
180-128974-2	SSHS-IRM5A2-A1-A10B	Total/NA	Solid	2540G	
180-128974-4	SSHS-IRM5A2-A1-A11A	Total/NA	Solid	2540G	
180-128974-5	SSHS-IRM5A2-A1-A11B	Total/NA	Solid	2540G	
180-128974-7	SSHS-IRM5A2-A1-A12A	Total/NA	Solid	2540G	
180-128974-8	SSHS-IRM5A2-A1-A12B	Total/NA	Solid	2540G	
180-128974-10	SSHS-IRM5A2-A1-A13A	Total/NA	Solid	2540G	
180-128974-11	SSHS-IRM5A2-A1-A13B	Total/NA	Solid	2540G	
180-128974-13	SSHS-IRM5A2-A1-A14A	Total/NA	Solid	2540G	
180-128974-14	SSHS-IRM5A2-A1-A14B	Total/NA	Solid	2540G	
180-128974-16	SSHS-IRM5A2-A1-A15A	Total/NA	Solid	2540G	
180-128974-17	SSHS-IRM5A2-A1-A15B	Total/NA	Solid	2540G	
180-128974-19	SSHS-IRM5A2-A1-A16A	Total/NA	Solid	2540G	
180-128974-20	SSHS-IRM5A2-A1-A16B	Total/NA	Solid	2540G	
180-128974-22	SSHS-IRM5A2-A1-A17A	Total/NA	Solid	2540G	
180-128974-23	SSHS-IRM5A2-A1-A17B	Total/NA	Solid	2540G	
180-128974-25	SSHS-IRM5A2-A1-A18A	Total/NA	Solid	2540G	
180-128974-26	SSHS-IRM5A2-A1-A18B	Total/NA	Solid	2540G	

Analysis Batch: 377259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	2540G	
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	2540G	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	2540G	
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	2540G	
180-128974-64 DU	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	2540G	

Analysis Batch: 377260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-28	SSHS-IRM5A2-A1-A19A	Total/NA	Solid	2540G	
180-128974-29	SSHS-IRM5A2-A1-A19B	Total/NA	Solid	2540G	
180-128974-31	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	2540G	
180-128974-32	SSHS-IRM5A2-A1-A20B	Total/NA	Solid	2540G	
180-128974-34	SSHS-IRM5A2-A1-A21A	Total/NA	Solid	2540G	
180-128974-35	SSHS-IRM5A2-A1-A21B	Total/NA	Solid	2540G	
180-128974-37	SSHS-IRM5A2-A1-A22A	Total/NA	Solid	2540G	
180-128974-38	SSHS-IRM5A2-A1-A22B	Total/NA	Solid	2540G	
180-128974-40	SSHS-IRM5A2-A1-DUP2A	Total/NA	Solid	2540G	
180-128974-41	SSHS-IRM5A2-A1-DUP2B	Total/NA	Solid	2540G	
180-128974-43	SSHS-IRM5A2-A1-A23A	Total/NA	Solid	2540G	
180-128974-44	SSHS-IRM5A2-A1-A23B	Total/NA	Solid	2540G	
180-128974-46	SSHS-IRM5A2-A1-A24A	Total/NA	Solid	2540G	
180-128974-47	SSHS-IRM5A2-A1-A24B	Total/NA	Solid	2540G	
180-128974-49	SSHS-IRM5A2-A1-A25A	Total/NA	Solid	2540G	
180-128974-50	SSHS-IRM5A2-A1-A25B	Total/NA	Solid	2540G	
180-128974-52	SSHS-IRM5A2-A1-A26A	Total/NA	Solid	2540G	
180-128974-53	SSHS-IRM5A2-A1-A26B	Total/NA	Solid	2540G	
180-128974-55	SSHS-IRM5A2-A1-A27A	Total/NA	Solid	2540G	
180-128974-31 DU	SSHS-IRM5A2-A1-A20A	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 377262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-56	SSHS-IRM5A2-A1-A27B	Total/NA	Solid	2540G	
180-128974-58	SSHS-IRM5A2-A1-DUP1A	Total/NA	Solid	2540G	
180-128974-59	SSHS-IRM5A2-A1-DUP1B	Total/NA	Solid	2540G	
180-128974-61	SSHS-IRM5A2-A1-A28A	Total/NA	Solid	2540G	
180-128974-62	SSHS-IRM5A2-A1-A28B	Total/NA	Solid	2540G	
180-128974-62 DU	SSHS-IRM5A2-A1-A28B	Total/NA	Solid	2540G	

Prep Batch: 377500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	3060A	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	3060A	
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	3060A	
MB 180-377500/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 377504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	9010C	
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	9010C	
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	9010C	
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	9010C	
MB 180-377504/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377504/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377504/3-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 377505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	9010C	
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	9010C	
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	9010C	
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	9010C	
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	9010C	
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	9010C	
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	9010C	
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	9010C	
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	9010C	
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	9010C	
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	9010C	
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	9010C	
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	9010C	
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	9010C	
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	9010C	
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	9010C	
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	9010C	
MB 180-377505/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377505/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377505/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-377505/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	9010C	
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	9010C	

General Chemistry

Analysis Batch: 377671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-3	SSHS-IRM5A2-A1-A10C	Total/NA	Solid	EPA 9014	377504
180-128974-6	SSHS-IRM5A2-A1-A11C	Total/NA	Solid	EPA 9014	377504
180-128974-12	SSHS-IRM5A2-A1-A13C	Total/NA	Solid	EPA 9014	377504
180-128974-21	SSHS-IRM5A2-A1-A16C	Total/NA	Solid	EPA 9014	377504
180-128974-24	SSHS-IRM5A2-A1-A17C	Total/NA	Solid	EPA 9014	377505
180-128974-27	SSHS-IRM5A2-A1-A18C	Total/NA	Solid	EPA 9014	377505
180-128974-30	SSHS-IRM5A2-A1-A19C	Total/NA	Solid	EPA 9014	377505
180-128974-33	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 9014	377505
180-128974-36	SSHS-IRM5A2-A1-A21C	Total/NA	Solid	EPA 9014	377505
180-128974-39	SSHS-IRM5A2-A1-A22C	Total/NA	Solid	EPA 9014	377505
180-128974-42	SSHS-IRM5A2-A1-DUP2C	Total/NA	Solid	EPA 9014	377505
180-128974-45	SSHS-IRM5A2-A1-A23C	Total/NA	Solid	EPA 9014	377505
180-128974-48	SSHS-IRM5A2-A1-A24C	Total/NA	Solid	EPA 9014	377505
180-128974-51	SSHS-IRM5A2-A1-A25C	Total/NA	Solid	EPA 9014	377505
180-128974-54	SSHS-IRM5A2-A1-A26C	Total/NA	Solid	EPA 9014	377505
180-128974-57	SSHS-IRM5A2-A1-A27C	Total/NA	Solid	EPA 9014	377505
180-128974-60	SSHS-IRM5A2-A1-DUP1C	Total/NA	Solid	EPA 9014	377505
180-128974-63	SSHS-IRM5A2-A1-A28C	Total/NA	Solid	EPA 9014	377505
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 9014	377505
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 9014	377505
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 9014	377505
MB 180-377504/4-A	Method Blank	Total/NA	Solid	EPA 9014	377504
MB 180-377505/4-A	Method Blank	Total/NA	Solid	EPA 9014	377505
HLCS 180-377504/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377504
HLCS 180-377505/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377505
LCS 180-377504/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377504
LCS 180-377505/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377505
LLCS 180-377505/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377505
180-128974-33 MS	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 9014	377505
180-128974-33 MSD	SSHS-IRM5A2-A1-A20C	Total/NA	Solid	EPA 9014	377505

Analysis Batch: 377958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-64	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	EPA 7196A	377500
180-128974-65	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	EPA 7196A	377500
180-128974-66	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	EPA 7196A	377500
MB 180-377500/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377500
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500

Analysis Batch: 537568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128974-9	SSHS-IRM5A2-A1-A12C	Total/NA	Solid	D 2216	
180-128974-15	SSHS-IRM5A2-A1-A14C	Total/NA	Solid	D 2216	
180-128974-18	SSHS-IRM5A2-A1-A15C	Total/NA	Solid	D 2216	

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A10A	10/25/21	0810	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A10B	10/25/21	0811	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A10C	10/23/21	1050	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A11A	10/25/21	0817	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A11B	10/25/21	0818	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A11C	10/23/21	1100	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A12A	10/25/21	0830	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A12B	10/25/21	0831	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A12C	10/23/21	1130	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A13A	10/25/21	0832	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A13B	10/25/21	0833	G	S	N	N	X								4	

samples A12C, A14C, A15C were recollected 10/27/21 for all analyses except PFAS due to infiltration icewater into containers.
D. Dunlap 10/28/21

180-128974 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer ☐ Return To Client ☐ Disposal By Lab ☐ Archive For

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: Justin Hobart	Date/Time: 10.25.21 1736	Company	Received by:	Date/Time: 10/26/21 10[illegible]	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		9.4.4

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A13C	10/23/21	1145	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A14A	10/25/21	0855	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A14B	10/25/21	0856	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A14C	10/23/21	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A15A	10/25/21	0857	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A15B	10/25/21	0858	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A15C	10/23/21	1400	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A16A	10/25/21	0949	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A16B	10/25/21	0950	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A16C	10/24/21	0935	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A17A	10/25/21	0918	G	S	N	N	X													4	

samples A12C, A14C, A15C were ~~recollected 10/27/21 for all analyses~~ except PFAS due to infiltration ~~icewater into containers.~~ D. Dunlap 10/28/21

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 17:30			10/26/21 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A17B	10/25/21	0919	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A17C	10/24/21	0955	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A18A	10/25/21	1005	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18B	10/25/21	1006	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18C	10/24/21	1025	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A19A	10/25/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19B	10/25/21	1016	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A	10/25/21	1024	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20B	10/25/21	1025	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 17:30	Company	Received by:	Date/Time: 10/26/21 10:00	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 4 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

as per Justion Hobart, sample IDs below should be ..._IRM5A2-..., not -IRM5-
D. Dunlap 10/27/21

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5-A1-A21A	10/25/21	1044	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5-A1-A21B	10/25/21	1045	G	S	N	N	X													4	
SSHS-IRM5-A1-A21C	10/24/21	13:30	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5-A1-A22A	10/25/21	1200	G	S	N	N	X													4	
SSHS-IRM5-A1-A22B	10/25/21	1201	G	S	N	N	X													4	
SSHS-IRM5-A1-A22C	10/24/21	13:45	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5-A1-DUP2A	10/25/21	1109	G	S	N	N	X													4	
SSHS-IRM5-A1-DUP2B	10/25/21	1110	G	S	N	N	X													4	
SSHS-IRM5-A1-DUP2C	10/24/21	1345	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5-A1-A23A	10/25/21	1134	G	S	N	N	X													4	
SSHS-IRM5-A1-A23B	10/25/21	1135	G	S	N	N	X													4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 5 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A23C	10/24/21	1435	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A24A	10/25/21	1224	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24B	10/25/21	1225	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24C	10/24/21	1450	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A25A	10/25/21	1201	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25B	20/25/21	1202	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25C	10/24/21	1510	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A26A	10/25/21	1239	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26B	10/25/21	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26C	10/24/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A27A	10/25/21	1259	G	S	N	N	X													4	

A27A recollected 10/27/21, no sample in terracore vials. D. Dunlap 10/28/21

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 1730	Company	Received by:	Date/Time: 10/26/21 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 6 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A27B	10/25/21	1300	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A27C	10/24/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP1A	10/25/21	0917	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1B	10/25/21	0918	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1C	10/23/21	1055	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MS	10/25/21	1050	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MS	10/25/21	1051	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MS	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MSD	10/25/21	1110	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MSD	10/25/21	1111	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MSD	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 1730	Company	Received by:	Date/Time: 10/26/21 10	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: 7 Page of 7
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 Day TAT
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A28A	10/25/21	1641	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A28B	10/25/21	1642	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A28C	10/25/21	1640	C	S	N	N		X	x	x	x	x	x	x					5	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 1730	Company	Received by:	Date/Time: 10/26/21 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Home	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	F1	N	N	N	N	N	N	N					X	
SSHS-IRM5A2-A1-DUP3B	~~10/27/21~~	—	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-DUP3C	~~10/27/21~~	—	~~C~~	~~S~~	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-12	10/27/21	1430	C	S	N	N		X	X	X	X	X	X	X						No additional PFAS sample collected
SSHS-IRM5A2-A1-14	10/27/21	1450	C	S	N	N		X	X	X	X	X	X	X						No additional PFAS sample collected
SSHS-IRM5A2-A1-15	10/27/21	1440	C	S	N	N		X	X	X	X	X	X	X						No additional PFAS sample collected
SSHS-IRM5A2-A1-A27A	10/27/21	1420	G	S	N	N	X													

10/28/21

180-128974 Chain of Custody

Samples from Login 128974

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Justin Hobart	10.27.21 17:30			10/28/21 1000	ETA PIT
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

11/8/2021

11/8/2021

180-128974 Waybill

ORIGIN ID:ELMA (240) 938-7958
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 25OCT21
ACTWGT: 50.00 LB
CAD: 252[illegible]56/INET
DIMS: 30[illegible]12 IN

BILL SENDER

TO TESTAMERICA (PITTSBURGH) LABORATO

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF: MN0832I
INV: 01
PO: 17 DEPT: 1751

Uncorrected temp 1.8 °C
Thermometer ID 7
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

FedEx Express

1 of 3

TRK# 0201 7750 1235 6024

MASTER

XH AGCA

TUE - 26 OCT 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

A
1
10:30
RT 98
FZ

FedEx Ship Manager - Print Your Label(s)

10/25/21 9:52 AM

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 25OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA (PITTSBURGH) LABORATORY

301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058 REF: MN0832I

INV: 04
PO: 17

DEPT: 1751

Uncorrected temp 1.3 °C
Thermometer ID 8
CF 0 Initials MD
PT-WI-SR-001 effective 11/8/18

FedEx Express

2 of 3

MPS# 7750 1235 5944

Mstr# 7750 1235 6024

TUE - 26 OCT 10:30A
PRIORITY OVERNIGHT

0263 0201

XH AGCA

15238
PA-US PIT

RT 98 1 A
10:30 5944
10.26
FZ

FedEx Ship Manager - Print Your Label(s)

10/25/21, 9:52 AM

11/8/2021

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 25OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA (PITTSBURGH) LABORATORY**

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF: MN08321
INV: 01
PO: 17

°C 751

1.3
3
Uncorrected temp
Thermometer ID
Initials MO
CF 0
PT-WI-SR-001 effective 11/8/18

FedEx Express

TUE - 26 OCT 10:30A
PRIORITY OVERNIGHT

3 of 3
MPS# 0263 **7750 1235 6322**
Mstr# 7750 1235 6024

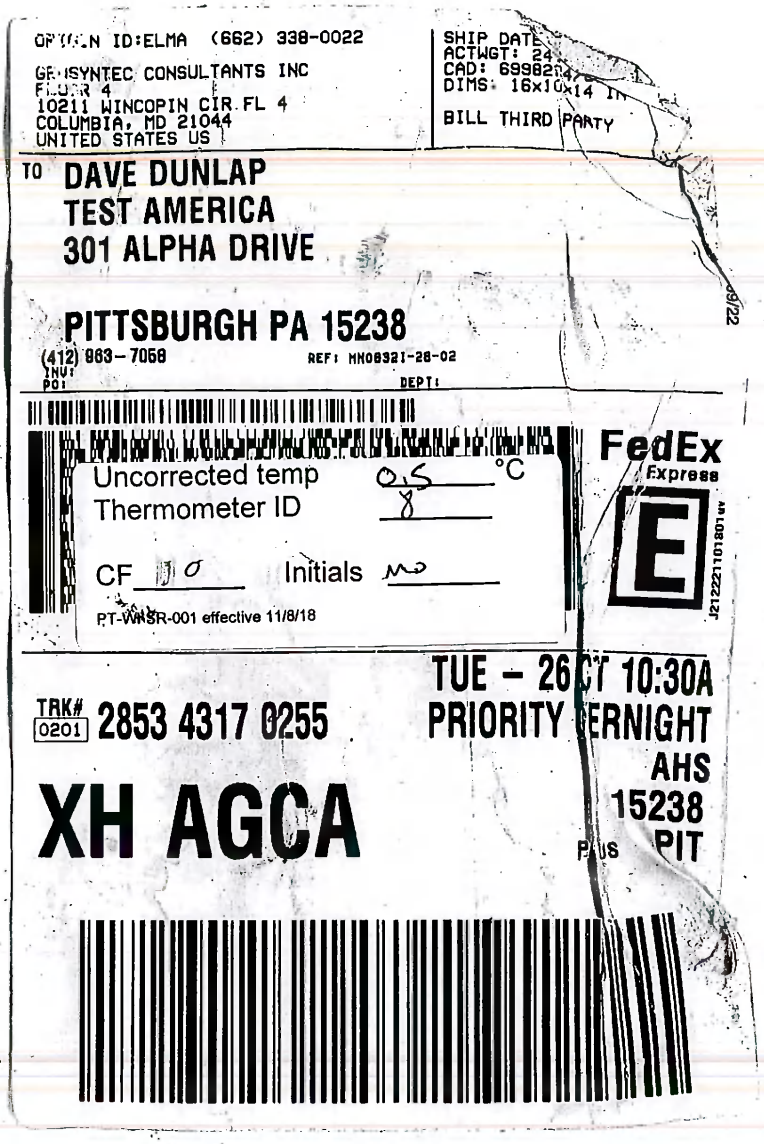
0201

XH AGCA

15238
PA-US **PIT**

FedEx Ship Manager - Print Your Label(s)

10/25/21, 9:52 AM



ORIGIN ID:ELMA (662) 338-0022
GEOSYNTEC CONSULTANTS INC
FLOOR 4
10211 WINCOPIN CIR FL 4
COLUMBIA, MD 21044
UNITED STATES US

SHIP DATE:
ACTWGT: 24
CAD: 6998214/
DIMS: 16x10x14 IN
BILL THIRD PARTY

TO DAVE DUNLAP
TEST AMERICA
301 ALPHA DRIVE

PITTSBURGH PA 15238
(412) 963-7058 REF: MK08321-28-02
INV:
PO: DEPT:

Uncorrected temp 0.5 °C
Thermometer ID 8
CF 0 Initials MD
PT-WR-SR-001 effective 11/8/18

FedEx Express

TRK# 0201 2853 4317 0255

TUE - 26 CT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PIT

XH AGCA


ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
SHIP DATE: 27OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN
BILL SENDER
TO TESTAMERICA (PITTSBURGH) LABORATORY
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
REF: MN08321
INV: 01
PO: 17
DEPT: 1751
FedEx Express
1 of 3
TRK# 0201 7750 1245 6299
MASTER
THU - 28 OCT 10:30A
PRIORITY OVERNIGHT
XH AGCA
15238
PA-US PIT
Uncorrected temp 2.9 °C
Thermometer ID
CF 0
Initials
PT-WI-SR-001 effective 11/8/18
56DJ3/14BAFE4A
FedEx Ship Manager - Print Your Label(s)
180-128974 Waybill
2 of 3
MPS# 0263 7750 1245 6303
Mstr# 7750 1245 6299
0201
THU - 28 OCT 10:30A
PRIORITY OVERNIGHT
XH AGCA
15238
PA-US PIT
Uncorrected temp
Thermometer ID
CF 0
Initials
PT-WI-SR-001 effective 11/8/18

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-128974 Chain of Custody

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A10A	10/25/21	0810	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A10B	10/25/21	0811	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A10C	10/23/21	1050	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A11A	10/25/21	0817	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A11B	10/25/21	0818	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A11C	10/23/21	1100	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A12A	10/25/21	0830	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A12B	10/25/21	0831	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A12C	10/23/21	1130	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-A13A	10/25/21	0832	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A13B	10/25/21	0833	G	S	N	N	X												4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	TEST-Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No | Custody Seal No.: 666796 | Cooler Temperature(s) °C and Other Remarks: 4-6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 7
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A13C	10/23/21	1145	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A14A	10/25/21	0855	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A14B	10/25/21	0856	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A14C	10/23/21	1200	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A15A	10/25/21	0857	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A15B	10/25/21	0858	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A15C	10/23/21	1400	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A16A	10/25/21	0949	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A16B	10/25/21	0950	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A16C	10/24/21	0935	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A17A	10/25/21	0918	G	S	N	N	X								4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	REST-SA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 1666796	Cooler Temperature(s) °C and Other Remarks: 4-6

1/6 containers does not list sample date/time. Logged & labeled per COC. NC 10-26-21

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 7
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 Day TAT		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A17B	10/25/21	0919	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A17C	10/24/21	0955	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A18A	10/25/21	1005	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18B	10/25/21	1006	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A18C	10/24/21	1025	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A19A	10/25/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19B	10/25/21	1016	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A19C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A	10/25/21	1024	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20B	10/25/21	1025	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A20C	10/24/21	1140	C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 1730	Company	Received by:	Date/Time: 10/26/21 1005	Company T-E-T-SA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: X Yes ☐ No	Custody Seal No.: 686796	Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 4 of 7
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 Day TAT			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5-A1-A21A	10/25/21	1044	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5-A1-A21B	10/25/21	1045	G	S	N	N	X												4	
SSHS-IRM5-A1-A21C	10/24/21	13:30	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-A22A	10/25/21	1200	G	S	N	N	X												4	
SSHS-IRM5-A1-A22B	10/25/21	1201	G	S	N	N	X												4	
SSHS-IRM5-A1-A22C	10/24/21	13:45	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-DUP2A	10/25/21	1109	G	S	N	N	X												4	
SSHS-IRM5-A1-DUP2B	10/25/21	1110	G	S	N	N	X												4	
SSHS-IRM5-A1-DUP2C	10/24/21	1345	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5-A1-A23A	10/25/21	1134	G	S	N	N	X												4	
SSHS-IRM5-A1-A23B	10/25/21	1135	G	S	N	N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 17:30			10/26/21 0005	TEST-Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: X Yes △ No | Custody Seal No.: 1688796 | Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 5 of 7
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 Day TAT		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		Other:
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A23C	10/24/21	1435	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A24A	10/25/21	1224	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24B	10/25/21	1225	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A24C	10/24/21	1450	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A25A	10/25/21	1201	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25B	20/25/21	1202	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A25C	10/24/21	1510	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A26A	10/25/21	1239	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26B	10/25/21	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A26C	10/24/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A27A	10/25/21	1259	G	S	N	N	X													4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Justin Hobart	Date/Time: 10.25.21 17:30	Company	Received by:	Date/Time: 10/26/21 1005	Company: EET-Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No	Custody Seal No.: 166796	Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 6 of 7
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A27B	10/25/21	1300	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A27C	10/24/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP1A	10/25/21	0917	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1B	10/25/21	0918	G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP1C	10/23/21	1055	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MS	10/25/21	1050	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MS	10/25/21	1051	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MS	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A20A-MSD	10/25/21	1110	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20B-MSD	10/25/21	1111	G	S	N	Y	X													4	
SSHS-IRM5A2-A1-A20C-MSD	10/24/21	1140	C	S	N	Y		X	X	X	X	X	X	X						5	

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Justin Hobart	10.25.21 1730			10/26/21 1007	EEFgal
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 166878	Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: 7 Page of 7
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A28A	10/25/21	1641	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A28B	10/25/21	1642	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A28C	10/25/21	1640	C	S	N	N		X	x	x	x	x	x	x					5	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.25.21 1730			10/26/21 1005	PET-Cu
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 168796 | Cooler Temperature(s) °C and Other Remarks: 4.6

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-128974 Field Sheet

Job: _____

Tracking # : 7750 1236 4662

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

GSO / OnTrac / Goldstreak / USPS / Other _____

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

Therm. ID: L-05 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet X Gel _____ Other _____

Cooler Custody Seal: 1686796

Cooler ID: _____

Temp Observed: 4.6 °C Corrected: 4.6 °C

From: Temp Blank ☐ Sample ☒

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

Initials: DH Date: 10/26/21

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

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

Initials: NC Date: 10-26-21

Notes: _____

Trizma Lot #(s): _____

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

Initials: NC Date: 10-26-21

WR3-TB


ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
SHIP DATE: 25OCT21
ACTWGT: 50.00 LB
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV 01
PO 17
REF: MN08321
DEPT. 1751
FedEx Express
TRK# 0201 7750 1236 4662
XH BLUA
TUE - 26 OCT
PRIORITY OVERNIGHT
CA-US
RT 362
1
10:30
F
PZ
4662
10.26
FedEx Ship Manager - Print Your Label(s)
10/25/21, 9:53 AM
eurofins | Environment Testing TestAmerica
1688796
Custody Seal
SIGNATURE
DATE

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128974-1

Login Number: 128974
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128974-1

Login Number: 128974
List Number: 3
Creator: Kovitch, Christina M

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128974-1

Login Number: 128974
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento
List Creation: 10/26/21 06:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688796
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129110-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/9/2021 10:00:59 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

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Job ID: 180-129110-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129110-1

Comments
Notation was made to the coc regarding re-use resamples to be reported with original samples in a different report.

Receipt
The samples were received on 10/28/2021 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition (except as noted above), and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.6º C,3.2º C, and 3.7º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for analytical batch 180-377550 recovered above the control limits for the following analytes: Vinyl chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377274 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377550 was above criteria for the following analytes: 1,4-Dioxane and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377732 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted due to the nature of the sample matrix (the sample extracts were too viscous to be analyzed at a lesser dilution): SSHS-IRM5A2-A1-A30C (180-129110-6), SSHS-IRM5A2-A1-A32C (180-129110-12), SSHS-IRM5A2-A1-A33C (180-129110-15), SSHS-IRM5A2-A1-A34C (180-129110-18), SSHS-IRM5A2-A1-A35C (180-129110-21), and SSHS-IRM5A2-A1-DUP3C (180-129110-24). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377511 (CCVIS 180-377511/5) was below criteria for aroclor 1260 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377769 (CCVIS 180-377769/5) was below criteria for aroclor 1260 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

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

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

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129110-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

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

General Chemistry

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

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129110-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

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

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

Sample Summary

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

Job ID: 180-129110-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129110-1	SSHS-IRM5A2-A1-A29A	Solid	10/27/21 10:31	10/28/21 10:00
180-129110-2	SSHS-IRM5A2-A1-A29B	Solid	10/27/21 10:32	10/28/21 10:00
180-129110-3	SSHS-IRM5A2-A1-A29C	Solid	10/27/21 10:30	10/28/21 10:00
180-129110-4	SSHS-IRM5A2-A1-A30A	Solid	10/27/21 10:51	10/28/21 10:00
180-129110-5	SSHS-IRM5A2-A1-A30B	Solid	10/27/21 10:52	10/28/21 10:00
180-129110-6	SSHS-IRM5A2-A1-A30C	Solid	10/27/21 10:50	10/28/21 10:00
180-129110-7	SSHS-IRM5A2-A1-A31A	Solid	10/27/21 11:31	10/28/21 10:00
180-129110-8	SSHS-IRM5A2-A1-A31B	Solid	10/27/21 11:32	10/28/21 10:00
180-129110-9	SSHS-IRM5A2-A1-A31C	Solid	10/27/21 11:30	10/28/21 10:00
180-129110-10	SSHS-IRM5A2-A1-A32A	Solid	10/27/21 12:51	10/28/21 10:00
180-129110-11	SSHS-IRM5A2-A1-A32B	Solid	10/27/21 12:52	10/28/21 10:00
180-129110-12	SSHS-IRM5A2-A1-A32C	Solid	10/27/21 12:50	10/28/21 10:00
180-129110-13	SSHS-IRM5A2-A1-A33A	Solid	10/27/21 13:21	10/28/21 10:00
180-129110-14	SSHS-IRM5A2-A1-A33B	Solid	10/27/21 13:22	10/28/21 10:00
180-129110-15	SSHS-IRM5A2-A1-A33C	Solid	10/27/21 13:20	10/28/21 10:00
180-129110-16	SSHS-IRM5A2-A1-A34A	Solid	10/27/21 13:36	10/28/21 10:00
180-129110-17	SSHS-IRM5A2-A1-A34B	Solid	10/27/21 13:37	10/28/21 10:00
180-129110-18	SSHS-IRM5A2-A1-A34C	Solid	10/27/21 13:35	10/28/21 10:00
180-129110-19	SSHS-IRM5A2-A1-A35A	Solid	10/27/21 14:01	10/28/21 10:00
180-129110-20	SSHS-IRM5A2-A1-A35B	Solid	10/27/21 14:02	10/28/21 10:00
180-129110-21	SSHS-IRM5A2-A1-A35C	Solid	10/27/21 14:00	10/28/21 10:00
180-129110-22	SSHS-IRM5A2-A1-DUP3A	Solid	10/27/21 00:00	10/28/21 10:00
180-129110-23	SSHS-IRM5A2-A1-DUP3B	Solid	10/27/21 00:00	10/28/21 10:00
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Solid	10/27/21 00:00	10/28/21 10:00

Method Summary

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

Job ID: 180-129110-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A29A
Date Collected: 10/27/21 10:31
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A29A
Date Collected: 10/27/21 10:31
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-1
Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0791 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 10:57	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A29B
Date Collected: 10/27/21 10:32
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A29B
Date Collected: 10/27/21 10:32
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-2
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1178 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 11:43	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A29C
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A29C
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-3
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377325	11/02/21 14:12	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A29C

Lab Sample ID: 180-129110-3
Date Collected: 10/27/21 10:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	377409	11/02/21 23:12	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377508	11/03/21 12:26	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377509	11/03/21 12:27	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377511	11/03/21 15:46	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.09 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:37	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.09 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:44	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:25	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:44	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377671	11/04/21 13:14	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A30A

Lab Sample ID: 180-129110-4
Date Collected: 10/27/21 10:51
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A30A

Lab Sample ID: 180-129110-4
Date Collected: 10/27/21 10:51
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1009 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 12:06	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A30B

Lab Sample ID: 180-129110-5
Date Collected: 10/27/21 10:52
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A30B

Lab Sample ID: 180-129110-5
Date Collected: 10/27/21 10:52
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1279 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 12:30	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A30C

Lab Sample ID: 180-129110-6
Date Collected: 10/27/21 10:50
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A30C

Lab Sample ID: 180-129110-6
Date Collected: 10/27/21 10:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		4	1 mL	1 mL	377325	11/02/21 14:34	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 13:19	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.12 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:41	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.12 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:49	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.89 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:28	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:45	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377678	11/04/21 14:01	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A31A
Lab Sample ID: 180-129110-7
Date Collected: 10/27/21 11:31
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A31A
Lab Sample ID: 180-129110-7
Date Collected: 10/27/21 11:31
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.056 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 12:53	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A31B
Lab Sample ID: 180-129110-8
Date Collected: 10/27/21 11:32
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A31B
Lab Sample ID: 180-129110-8
Date Collected: 10/27/21 11:32
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0877 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 13:17	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A31C
Lab Sample ID: 180-129110-9
Date Collected: 10/27/21 11:30
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A31C
Lab Sample ID: 180-129110-9
Date Collected: 10/27/21 11:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377325	11/02/21 14:56	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A31C
Date Collected: 10/27/21 11:30
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-9
Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 13:38	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.41 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:46	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.41 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:53	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:29	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:46	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	377505	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377678	11/04/21 14:03	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A32A
Date Collected: 10/27/21 12:51
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A32A
Date Collected: 10/27/21 12:51
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-10
Matrix: Solid
Percent Solids: 71.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8048 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 13:40	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A32B
Date Collected: 10/27/21 12:52
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A32B
Lab Sample ID: 180-129110-11

Date Collected: 10/27/21 12:52
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1205 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 14:03	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A32C
Lab Sample ID: 180-129110-12

Date Collected: 10/27/21 12:50
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A32C
Lab Sample ID: 180-129110-12

Date Collected: 10/27/21 12:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		4	1 mL	1 mL	377325	11/02/21 15:17	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 13:56	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.26 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:50	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.26 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 17:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:30	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.55 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:47	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:12	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A33A
Date Collected: 10/27/21 13:21
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377319	11/02/21 09:32	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A33A
Date Collected: 10/27/21 13:21
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-13
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2002 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 14:26	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A33B
Date Collected: 10/27/21 13:22
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A33B
Date Collected: 10/27/21 13:22
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-14
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.121 g	5 mL	377770	11/05/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377732	11/05/21 10:46	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A33C
Date Collected: 10/27/21 13:20
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A33C
Date Collected: 10/27/21 13:20
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-15
Matrix: Solid
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	377325	11/02/21 15:39	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A33C

Lab Sample ID: 180-129110-15
Date Collected: 10/27/21 13:20
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 14:15	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.39 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 15:55	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.39 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 18:03	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:31	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:50	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:14	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A34A

Lab Sample ID: 180-129110-16
Date Collected: 10/27/21 13:36
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A34A

Lab Sample ID: 180-129110-16
Date Collected: 10/27/21 13:36
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0327 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 15:13	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A34B

Lab Sample ID: 180-129110-17
Date Collected: 10/27/21 13:37
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A34B
Lab Sample ID: 180-129110-17
Date Collected: 10/27/21 13:37
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9219 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 15:36	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A34C
Lab Sample ID: 180-129110-18
Date Collected: 10/27/21 13:35
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A34C
Lab Sample ID: 180-129110-18
Date Collected: 10/27/21 13:35
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	377325	11/02/21 16:01	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 14:34	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.30 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 16:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.30 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 18:16	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:32	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:51	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:16	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A35A
Date Collected: 10/27/21 14:01
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A35A
Date Collected: 10/27/21 14:01
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-19
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8233 g	5 mL	377614	11/04/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377550	11/04/21 16:06	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A35B
Date Collected: 10/27/21 14:02
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A35B
Date Collected: 10/27/21 14:02
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-20
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3743 g	5 mL	377770	11/05/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377732	11/05/21 11:08	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-A35C
Date Collected: 10/27/21 14:00
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A35C
Date Collected: 10/27/21 14:00
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-21
Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	377325	11/02/21 16:23	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

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

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-A35C

Lab Sample ID: 180-129110-21
Date Collected: 10/27/21 14:00
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 14:52	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.19 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 16:04	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.19 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 18:21	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.63 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:34	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:52	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:18	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-DUP3A

Lab Sample ID: 180-129110-22
Date Collected: 10/27/21 00:00
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP3A

Lab Sample ID: 180-129110-22
Date Collected: 10/27/21 00:00
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.8884 g	5 mL	377284	11/02/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377274	11/02/21 15:40	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-DUP3B

Lab Sample ID: 180-129110-23
Date Collected: 10/27/21 00:00
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-DUP3B
Lab Sample ID: 180-129110-23
Date Collected: 10/27/21 00:00
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0912 g	5 mL	377284	11/02/21 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377274	11/02/21 11:49	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1-DUP3C
Lab Sample ID: 180-129110-24
Date Collected: 10/27/21 00:00
Matrix: Solid
Date Received: 10/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377327	11/02/21 10:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP3C
Lab Sample ID: 180-129110-24
Date Collected: 10/27/21 00:00
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377264	11/01/21 19:42	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	377325	11/02/21 16:44	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377070	11/04/21 11:40	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377762	11/05/21 09:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377764	11/05/21 09:02	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377769	11/05/21 15:11	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.09 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 16:18	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.09 g	100 mL	377245	11/01/21 15:26	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 18:25	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.87 g	100 mL	377135	11/01/21 07:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377381	11/02/21 12:35	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:53	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:19	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129110-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - CTM = Connor Mitsch
  - KEM = Kimberly Mahoney
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - DFE = David Eppinger
  - HEK = Hope Kiesling
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A29A — Lab Sample ID: 180-129110-1

Date Collected: 10/27/21 10:31 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 88.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Carbon tetrachloride	ND		0.0055	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Ethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,1,1-Trichloroethane	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Vinyl chloride	ND	*+	0.0055	0.0040	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	11/04/21 06:00	11/04/21 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*11/04/21 06:00*	*11/04/21 10:57*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*11/04/21 06:00*	*11/04/21 10:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*11/04/21 06:00*	*11/04/21 10:57*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*11/04/21 06:00*	*11/04/21 10:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.2		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	88.8		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A29B — Lab Sample ID: 180-129110-2

Date Collected: 10/27/21 10:32 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 88.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1

Client Sample ID: SSHS-IRM5A2-A1-A29B
Lab Sample ID: 180-129110-2
Date Collected: 10/27/21 10:32 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 88.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Vinyl chloride	ND	*+	0.0055	0.0040	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	11/04/21 06:00	11/04/21 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*11/04/21 06:00*	*11/04/21 11:43*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*11/04/21 06:00*	*11/04/21 11:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*11/04/21 06:00*	*11/04/21 11:43*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*11/04/21 06:00*	*11/04/21 11:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**88.2**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A29C
Lab Sample ID: 180-129110-3
Date Collected: 10/27/21 10:30 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 85.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0059**	**J**	0.0077	0.0022	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Acenaphthylene	**0.047**		0.0077	0.0017	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Anthracene	**0.048**		0.0077	0.0020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Benzo[a]anthracene	**0.098**		0.0077	0.0034	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1

Client Sample ID: SSHS-IRM5A2-A1-A29C **Lab Sample ID: 180-129110-3**
Date Collected: 10/27/21 10:30 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 85.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.085**		0.0077	0.0033	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Benzo[b]fluoranthene	**0.13**		0.0077	0.0019	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Benzo[g,h,i]perylene	**0.086**		0.0077	0.0016	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Benzo[k]fluoranthene	**0.039**		0.0077	0.0023	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Chrysene	**0.099**		0.0077	0.0042	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Dibenz(a,h)anthracene	**0.023**		0.0077	0.0049	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
1,4-Dioxane	ND		0.076	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Fluoranthene	**0.16**		0.0077	0.0020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Fluorene	**0.0097**		0.0077	0.0015	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Hexachlorobenzene	ND		0.0077	0.0027	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Hexachlorobutadiene	ND		0.0077	0.0022	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Hexachloroethane	ND		0.038	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Indeno[1,2,3-cd]pyrene	**0.081**		0.0077	0.0038	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Naphthalene	**0.026**		0.0077	0.0015	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Nitrobenzene	ND		0.076	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Phenanthrene	**0.085**		0.0077	0.0020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Pyrene	**0.14**		0.0077	0.0018	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*11/01/21 19:42*	*11/02/21 14:12*	*1*
2-Fluorophenol (Surr)	*58*		*32 - 105*	*11/01/21 19:42*	*11/02/21 14:12*	*1*
Nitrobenzene-d5 (Surr)	*61*		*34 - 109*	*11/01/21 19:42*	*11/02/21 14:12*	*1*
Phenol-d5 (Surr)	*61*		*34 - 105*	*11/01/21 19:42*	*11/02/21 14:12*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*11/01/21 19:42*	*11/02/21 14:12*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*20 - 119*	*11/01/21 19:42*	*11/02/21 14:12*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1248	**0.086**		0.019	0.0046	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1254	**0.056**		0.019	0.0058	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1260	**0.030**		0.019	0.0055	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/02/21 23:12	11/03/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*11/02/21 23:12*	*11/03/21 15:46*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*11/02/21 23:12*	*11/03/21 15:46*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A29C

Lab Sample ID: 180-129110-3

Date Collected: 10/27/21 10:30
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.8

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*11/02/21 23:12*	*11/03/21 15:46*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*11/02/21 23:12*	*11/03/21 15:46*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.8**		1.1	0.42	mg/Kg	☼	11/01/21 15:26	11/05/21 17:44	1
Barium	**61**		21	1.1	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Beryllium	**0.29**	**J**	0.43	0.024	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Cadmium	ND		0.53	0.039	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Chromium	**8.3**		0.53	0.44	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Copper	**13**		2.7	2.5	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Lead	**13**		1.1	0.55	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Manganese	**280**		1.6	0.43	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Nickel	**12**		4.3	0.27	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Selenium	ND		1.1	0.55	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Silver	ND		0.53	0.11	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1
Zinc	**39**		2.1	1.7	mg/Kg	☼	11/01/21 15:26	11/04/21 15:37	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**		0.031	0.020	mg/Kg	☼	11/01/21 07:57	11/02/21 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.2**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**85.8**		0.1	0.1	%			11/02/21 09:32	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:44	1
Cyanide, Total	**0.46**	**J**	0.49	0.26	mg/Kg	☼	11/03/21 16:45	11/04/21 13:14	1

Client Sample ID: SSHS-IRM5A2-A1-A30A

Lab Sample ID: 180-129110-4

Date Collected: 10/27/21 10:51
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 88.4

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Carbon tetrachloride	ND		0.0055	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Ethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1

Client Sample ID: SSHS-IRM5A2-A1-A30A
Lab Sample ID: 180-129110-4

Date Collected: 10/27/21 10:51
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 88.4

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,1,1-Trichloroethane	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Vinyl chloride	ND	*+	0.0055	0.0040	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	11/04/21 06:00	11/04/21 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*11/04/21 06:00*	*11/04/21 12:06*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*11/04/21 06:00*	*11/04/21 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*11/04/21 06:00*	*11/04/21 12:06*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*11/04/21 06:00*	*11/04/21 12:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.6**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**88.4**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A30B
Lab Sample ID: 180-129110-5

Date Collected: 10/27/21 10:52
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.4

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,1-Dichloroethene	ND		0.0056	0.0026	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1

Client Sample ID: SSHS-IRM5A2-A1-A30B — Lab Sample ID: 180-129110-5

Date Collected: 10/27/21 10:52 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Vinyl chloride	ND	*+	0.0056	0.0041	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	11/04/21 06:00	11/04/21 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*11/04/21 06:00*	*11/04/21 12:30*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*11/04/21 06:00*	*11/04/21 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*11/04/21 06:00*	*11/04/21 12:30*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*11/04/21 06:00*	*11/04/21 12:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.6**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**86.4**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A30C — Lab Sample ID: 180-129110-6

Date Collected: 10/27/21 10:50 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 87.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.018**	**J**	0.030	0.0086	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Acenaphthylene	**0.12**		0.030	0.0065	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Anthracene	**0.094**		0.030	0.0077	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Benzo[a]anthracene	**0.28**		0.030	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Benzo[a]pyrene	**0.24**		0.030	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Benzo[b]fluoranthene	**0.34**		0.030	0.0073	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Benzo[g,h,i]perylene	**0.23**		0.030	0.0064	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Benzo[k]fluoranthene	**0.11**		0.030	0.0089	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Chrysene	**0.28**		0.030	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Dibenz(a,h)anthracene	**0.065**		0.030	0.019	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Dibenzofuran	ND		0.15	0.055	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
2,4-Dinitrotoluene	ND		0.15	0.089	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
1,4-Dioxane	ND		0.30	0.046	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Fluoranthene	**0.44**		0.030	0.0079	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Fluorene	**0.023**	**J**	0.030	0.0059	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Hexachlorobenzene	ND		0.030	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Hexachlorobutadiene	ND		0.030	0.0087	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Hexachloroethane	ND		0.15	0.053	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Indeno[1,2,3-cd]pyrene	**0.22**		0.030	0.015	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4

Client Sample ID: SSHS-IRM5A2-A1-A30C
Date Collected: 10/27/21 10:50
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-6
Matrix: Solid
Percent Solids: 87.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.15	0.043	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Methylphenol, 3 & 4	ND		0.15	0.044	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Naphthalene	**0.061**		0.030	0.0058	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Nitrobenzene	ND		0.30	0.055	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Pentachlorophenol	ND		0.76	0.24	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Phenanthrene	**0.23**		0.030	0.0080	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Phenol	ND		0.15	0.045	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Pyrene	**0.42**		0.030	0.0071	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
Pyridine	ND		0.30	0.080	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
2,4,5-Trichlorophenol	ND		0.15	0.052	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4
2,4,6-Trichlorophenol	ND		0.15	0.050	mg/Kg	☼	11/01/21 19:42	11/02/21 14:34	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*11/01/21 19:42*	*11/02/21 14:34*	*4*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*11/01/21 19:42*	*11/02/21 14:34*	*4*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*11/01/21 19:42*	*11/02/21 14:34*	*4*
Phenol-d5 (Surr)	*72*		*34 - 105*	*11/01/21 19:42*	*11/02/21 14:34*	*4*
Terphenyl-d14 (Surr)	*79*		*20 - 117*	*11/01/21 19:42*	*11/02/21 14:34*	*4*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*11/01/21 19:42*	*11/02/21 14:34*	*4*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1248	**0.90**		0.019	0.0045	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1254	**0.43**		0.019	0.0056	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1260	**0.18**		0.019	0.0053	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/04/21 11:40	11/05/21 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:19*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:19*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:19*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:19*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.2**		1.0	0.40	mg/Kg	☼	11/01/21 15:26	11/05/21 17:49	1
Barium	**68**		20	1.1	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Beryllium	**0.43**		0.41	0.023	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Cadmium	**0.048**	**J**	0.51	0.037	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Chromium	**12**		0.51	0.42	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Copper	**23**		2.5	2.3	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Lead	**25**		1.0	0.52	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Manganese	**340**		1.5	0.41	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Nickel	**20**		4.1	0.25	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Selenium	ND		1.0	0.52	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1

Client Sample ID: SSHS-IRM5A2-A1-A30C
Lab Sample ID: 180-129110-6
Date Collected: 10/27/21 10:50 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 87.8**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.51	0.11	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1
Zinc	**62**		2.0	1.6	mg/Kg	☼	11/01/21 15:26	11/04/21 15:41	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.070**		0.025	0.016	mg/Kg	☼	11/01/21 07:57	11/02/21 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.2**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**87.8**		0.1	0.1	%			11/02/21 09:32	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/03/21 11:30	11/06/21 18:45	1
Cyanide, Total	ND		0.57	0.31	mg/Kg	☼	11/03/21 16:45	11/04/21 14:01	1

Client Sample ID: SSHS-IRM5A2-A1-A31A
Lab Sample ID: 180-129110-7
Date Collected: 10/27/21 11:31 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 90.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
cis-1,2-Dichloroethene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Vinyl chloride	ND	*+	0.0055	0.0039	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	11/04/21 06:00	11/04/21 12:53	1

Client Sample ID: SSHS-IRM5A2-A1-A31A — Lab Sample ID: 180-129110-7

Date Collected: 10/27/21 11:31 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 90.6**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*11/04/21 06:00*	*11/04/21 12:53*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*11/04/21 06:00*	*11/04/21 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*11/04/21 06:00*	*11/04/21 12:53*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*11/04/21 06:00*	*11/04/21 12:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**90.6**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A31B — Lab Sample ID: 180-129110-8

Date Collected: 10/27/21 11:32 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 81.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0047	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Benzene	ND		0.0060	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
2-Butanone (MEK)	ND		0.0060	0.0031	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Carbon tetrachloride	ND		0.0060	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Chlorobenzene	ND		0.0060	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Chloroform	ND		0.0060	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
cis-1,2-Dichloroethene	ND		0.0060	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,2-Dichlorobenzene	ND		0.0060	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,3-Dichlorobenzene	ND		0.0060	0.0037	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,4-Dichlorobenzene	ND		0.0060	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,1-Dichloroethane	ND		0.0060	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,2-Dichloroethane	ND		0.0060	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,1-Dichloroethene	ND		0.0060	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,4-Dioxane	ND		1.2	0.043	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Ethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Methylene Chloride	ND		0.0060	0.0054	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Methyl tert-butyl ether	ND		0.0060	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
n-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
N-Propylbenzene	ND		0.0060	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
sec-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
tert-Butylbenzene	ND		0.0060	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Tetrachloroethene	ND		0.0060	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Toluene	ND		0.0060	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
trans-1,2-Dichloroethene	ND		0.0060	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,1,1-Trichloroethane	ND		0.0060	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Trichloroethene	ND		0.0060	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
1,3,5-Trimethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Vinyl chloride	ND	*+	0.0060	0.0043	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1
Xylenes, Total	ND		0.012	0.0087	mg/Kg	☼	11/04/21 06:00	11/04/21 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*11/04/21 06:00*	*11/04/21 13:17*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*11/04/21 06:00*	*11/04/21 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*11/04/21 06:00*	*11/04/21 13:17*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A31B — Lab Sample ID: 180-129110-8

Date Collected: 10/27/21 11:32 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 81.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*67 - 134*	*11/04/21 06:00*	*11/04/21 13:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.2**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**81.8**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A31C — Lab Sample ID: 180-129110-9

Date Collected: 10/27/21 11:30 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0031**	**J**	0.0076	0.0022	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Acenaphthylene	**0.021**		0.0076	0.0016	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Anthracene	**0.023**		0.0076	0.0020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Benzo[a]anthracene	**0.081**		0.0076	0.0034	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Benzo[a]pyrene	**0.062**		0.0076	0.0033	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Benzo[b]fluoranthene	**0.085**		0.0076	0.0019	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Benzo[g,h,i]perylene	**0.056**		0.0076	0.0016	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Benzo[k]fluoranthene	**0.032**		0.0076	0.0023	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Chrysene	**0.075**		0.0076	0.0042	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Dibenz(a,h)anthracene	**0.017**		0.0076	0.0048	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Fluoranthene	**0.13**		0.0076	0.0020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Fluorene	**0.0054**	**J**	0.0076	0.0015	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Indeno[1,2,3-cd]pyrene	**0.053**		0.0076	0.0037	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Naphthalene	**0.022**		0.0076	0.0015	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Phenanthrene	**0.066**		0.0076	0.0020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Pyrene	**0.11**		0.0076	0.0018	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
Pyridine	ND		0.076	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1
2,4,6-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/01/21 19:42	11/02/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*11/01/21 19:42*	*11/02/21 14:56*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*11/01/21 19:42*	*11/02/21 14:56*	*1*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*	*11/01/21 19:42*	*11/02/21 14:56*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/01/21 19:42*	*11/02/21 14:56*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*11/01/21 19:42*	*11/02/21 14:56*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A31C
Lab Sample ID: 180-129110-9
Date Collected: 10/27/21 11:30 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 86.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 119*	*11/01/21 19:42*	*11/02/21 14:56*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1248	**0.57**		0.019	0.0046	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1254	**0.24**		0.019	0.0058	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1260	**0.096**		0.019	0.0055	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/04/21 11:40	11/05/21 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:38*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:38*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:38*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:38*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		0.82	0.32	mg/Kg	☼	11/01/21 15:26	11/05/21 17:53	1
Barium	**90**		16	0.88	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Beryllium	**0.34**		0.33	0.019	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Cadmium	**0.030**	**J**	0.41	0.030	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Chromium	**10**		0.41	0.34	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Copper	**13**		2.1	1.9	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Lead	**17**		0.82	0.42	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Manganese	**390**		1.2	0.33	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Nickel	**13**		3.3	0.20	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Selenium	**0.79**	**J**	0.82	0.42	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Silver	ND		0.41	0.086	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1
Zinc	**48**		1.6	1.3	mg/Kg	☼	11/01/21 15:26	11/04/21 15:46	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.069**		0.034	0.022	mg/Kg	☼	11/01/21 07:57	11/02/21 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.7**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**86.3**		0.1	0.1	%			11/02/21 09:32	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:46	1
Cyanide, Total	ND		0.58	0.32	mg/Kg	☼	11/03/21 16:45	11/04/21 14:03	1

Client Sample ID: SSHS-IRM5A2-A1-A32A — Lab Sample ID: 180-129110-10

Date Collected: 10/27/21 12:51 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 71.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.029	0.0057	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Benzene	ND		0.0073	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
2-Butanone (MEK)	ND		0.0073	0.0037	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Carbon tetrachloride	ND		0.0073	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Chlorobenzene	ND		0.0073	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Chloroform	ND		0.0073	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
cis-1,2-Dichloroethene	ND		0.0073	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,2-Dichlorobenzene	ND		0.0073	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,3-Dichlorobenzene	ND		0.0073	0.0045	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,4-Dichlorobenzene	ND		0.0073	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,1-Dichloroethane	ND		0.0073	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,2-Dichloroethane	ND		0.0073	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,1-Dichloroethene	ND		0.0073	0.0033	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,4-Dioxane	ND		1.5	0.052	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Ethylbenzene	ND		0.0073	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Methylene Chloride	ND		0.0073	0.0066	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Methyl tert-butyl ether	ND		0.0073	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
n-Butylbenzene	ND		0.0073	0.0036	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
N-Propylbenzene	ND		0.0073	0.0026	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
sec-Butylbenzene	ND		0.0073	0.0036	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
tert-Butylbenzene	ND		0.0073	0.0031	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Tetrachloroethene	ND		0.0073	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Toluene	ND		0.0073	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
trans-1,2-Dichloroethene	ND		0.0073	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,1,1-Trichloroethane	ND		0.0073	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Trichloroethene	ND		0.0073	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,2,4-Trimethylbenzene	ND		0.0073	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
1,3,5-Trimethylbenzene	ND		0.0073	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Vinyl chloride	ND	*+	0.0073	0.0052	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1
Xylenes, Total	ND		0.015	0.011	mg/Kg	☼	11/04/21 06:00	11/04/21 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*60 - 124*	*11/04/21 06:00*	*11/04/21 13:40*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*11/04/21 06:00*	*11/04/21 13:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*11/04/21 06:00*	*11/04/21 13:40*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*11/04/21 06:00*	*11/04/21 13:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**28.6**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**71.4**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A32B — Lab Sample ID: 180-129110-11

Date Collected: 10/27/21 12:52 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 83.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1

Client Sample ID: SSHS-IRM5A2-A1-A32B
Lab Sample ID: 180-129110-11
Date Collected: 10/27/21 12:52 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 83.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0058	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Ethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Methylene Chloride	ND		0.0058	0.0053	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
tert-Butylbenzene	ND		0.0058	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Vinyl chloride	ND	*+	0.0058	0.0042	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	11/04/21 06:00	11/04/21 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*11/04/21 06:00*	*11/04/21 14:03*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*11/04/21 06:00*	*11/04/21 14:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*11/04/21 06:00*	*11/04/21 14:03*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*11/04/21 06:00*	*11/04/21 14:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.3**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**83.7**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A32C
Lab Sample ID: 180-129110-12
Date Collected: 10/27/21 12:50 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 79.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.033	0.0095	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Acenaphthylene	**0.042**		0.033	0.0072	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Anthracene	**0.041**		0.033	0.0085	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Benzo[a]anthracene	**0.12**		0.033	0.015	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A32C
Lab Sample ID: 180-129110-12
Date Collected: 10/27/21 12:50
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 79.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.089**		0.033	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Benzo[b]fluoranthene	**0.14**		0.033	0.0081	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Benzo[g,h,i]perylene	**0.088**		0.033	0.0071	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Benzo[k]fluoranthene	**0.043**		0.033	0.0099	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Chrysene	**0.12**		0.033	0.018	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Dibenz(a,h)anthracene	**0.027**	**J**	0.033	0.021	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Dibenzofuran	ND		0.16	0.061	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
2,4-Dinitrotoluene	ND		0.16	0.098	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
1,4-Dioxane	ND		0.33	0.051	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Fluoranthene	**0.20**		0.033	0.0087	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Fluorene	**0.0093**	**J**	0.033	0.0065	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Hexachlorobenzene	ND		0.033	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Hexachlorobutadiene	ND		0.033	0.0096	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Hexachloroethane	ND		0.16	0.058	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Indeno[1,2,3-cd]pyrene	**0.084**		0.033	0.016	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
2-Methylphenol	ND		0.16	0.047	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Methylphenol, 3 & 4	ND		0.16	0.048	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Naphthalene	**0.030**	**J**	0.033	0.0064	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Nitrobenzene	ND		0.33	0.060	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Pentachlorophenol	ND		0.84	0.26	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Phenanthrene	**0.15**		0.033	0.0088	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Phenol	ND		0.16	0.050	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Pyrene	**0.17**		0.033	0.0078	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
Pyridine	ND		0.33	0.089	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
2,4,5-Trichlorophenol	ND		0.16	0.057	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4
2,4,6-Trichlorophenol	ND		0.16	0.055	mg/Kg	☼	11/01/21 19:42	11/02/21 15:17	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*35 - 105*	*11/01/21 19:42*	*11/02/21 15:17*	*4*
2-Fluorophenol (Surr)	*56*		*32 - 105*	*11/01/21 19:42*	*11/02/21 15:17*	*4*
Nitrobenzene-d5 (Surr)	*57*		*34 - 109*	*11/01/21 19:42*	*11/02/21 15:17*	*4*
Phenol-d5 (Surr)	*58*		*34 - 105*	*11/01/21 19:42*	*11/02/21 15:17*	*4*
Terphenyl-d14 (Surr)	*54*		*20 - 117*	*11/01/21 19:42*	*11/02/21 15:17*	*4*
2,4,6-Tribromophenol (Surr)	*46*		*20 - 119*	*11/01/21 19:42*	*11/02/21 15:17*	*4*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.021	0.0068	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1221	ND		0.021	0.0074	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1232	ND		0.021	0.0051	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1242	ND		0.021	0.0031	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1248	**1.4**		0.021	0.0050	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1254	**0.63**		0.021	0.0063	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1260	**0.22**		0.021	0.0060	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1262	ND		0.021	0.0074	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1
PCB-1268	ND		0.021	0.0028	mg/Kg	☼	11/04/21 11:40	11/05/21 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:56*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*31 - 150*	*11/04/21 11:40*	*11/05/21 13:56*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A32C — Lab Sample ID: 180-129110-12

Date Collected: 10/27/21 12:50 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 79.4**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*98*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:56*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*20 - 150*	*11/04/21 11:40*	*11/05/21 13:56*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.3**		1.0	0.39	mg/Kg	☼	11/01/21 15:26	11/05/21 17:58	1
Barium	**100**		20	1.1	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Beryllium	**0.38**	**J**	0.40	0.023	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Cadmium	**0.099**	**J**	0.50	0.036	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Chromium	**10**		0.50	0.41	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Copper	**29**		2.5	2.3	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Lead	**79**		1.0	0.51	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Manganese	**410**		1.5	0.41	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Nickel	**16**		4.0	0.25	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Selenium	**0.87**	**J**	1.0	0.52	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Silver	ND		0.50	0.11	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1
Zinc	**67**		2.0	1.6	mg/Kg	☼	11/01/21 15:26	11/04/21 15:50	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.037	0.024	mg/Kg	☼	11/01/21 07:57	11/02/21 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20.6**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**79.4**		0.1	0.1	%			11/02/21 09:32	1
Hexavalent chromium	**0.26**	**J**	0.49	0.26	mg/Kg	☼	11/03/21 11:30	11/06/21 18:47	1
Cyanide, Total	**0.59**		0.52	0.29	mg/Kg	☼	11/03/21 16:45	11/04/21 15:12	1

Client Sample ID: SSHS-IRM5A2-A1-A33A — Lab Sample ID: 180-129110-13

Date Collected: 10/27/21 13:21 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 84.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Ethylbenzene	**0.0035**	**J**	0.0057	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1

Client Sample ID: SSHS-IRM5A2-A1-A33A — Lab Sample ID: 180-129110-13

Date Collected: 10/27/21 13:21 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 84.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Toluene	**0.0090**		0.0057	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Vinyl chloride	ND	*+	0.0057	0.0041	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	11/04/21 06:00	11/04/21 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*11/04/21 06:00*	*11/04/21 14:26*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*11/04/21 06:00*	*11/04/21 14:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*11/04/21 06:00*	*11/04/21 14:26*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*11/04/21 06:00*	*11/04/21 14:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.2**		0.1	0.1	%			11/02/21 09:32	1
Percent Solids	**84.8**		0.1	0.1	%			11/02/21 09:32	1

Client Sample ID: SSHS-IRM5A2-A1-A33B — Lab Sample ID: 180-129110-14

Date Collected: 10/27/21 13:22 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1

Client Sample ID: SSHS-IRM5A2-A1-A33B

Lab Sample ID: 180-129110-14

Date Collected: 10/27/21 13:22
Date Received: 10/28/21 10:00

Matrix: Solid
Percent Solids: 86.0

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	11/05/21 06:00	11/05/21 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*11/05/21 06:00*	*11/05/21 10:46*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*11/05/21 06:00*	*11/05/21 10:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*11/05/21 06:00*	*11/05/21 10:46*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*11/05/21 06:00*	*11/05/21 10:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.0**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**86.0**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-A33C

Lab Sample ID: 180-129110-15

Date Collected: 10/27/21 13:20
Date Received: 10/28/21 10:00

Matrix: Solid
Percent Solids: 84.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.053**		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Acenaphthylene	**0.059**		0.039	0.0085	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Anthracene	**0.16**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Benzo[a]anthracene	**0.54**		0.039	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Benzo[a]pyrene	**0.36**		0.039	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Benzo[b]fluoranthene	**0.49**		0.039	0.0095	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Benzo[g,h,i]perylene	**0.28**		0.039	0.0083	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Benzo[k]fluoranthene	**0.18**		0.039	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Chrysene	**0.50**		0.039	0.021	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Dibenz(a,h)anthracene	**0.099**		0.039	0.025	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Dibenzofuran	ND		0.19	0.071	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
2,4-Dinitrotoluene	ND		0.19	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
1,4-Dioxane	ND		0.39	0.060	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Fluoranthene	**0.89**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Fluorene	**0.042**		0.039	0.0076	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Hexachloroethane	ND		0.19	0.068	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Indeno[1,2,3-cd]pyrene	**0.27**		0.039	0.019	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5

Client Sample ID: SSHS-IRM5A2-A1-A33C
Date Collected: 10/27/21 13:20
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-15
Matrix: Solid
Percent Solids: 84.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.19	0.055	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Methylphenol, 3 & 4	ND		0.19	0.057	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Naphthalene	**0.034**	**J**	0.039	0.0075	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Nitrobenzene	ND		0.39	0.071	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Pentachlorophenol	ND		0.99	0.31	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Phenanthrene	**0.59**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Phenol	ND		0.19	0.059	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Pyrene	**0.78**		0.039	0.0092	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
Pyridine	ND		0.39	0.10	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
2,4,5-Trichlorophenol	ND		0.19	0.067	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5
2,4,6-Trichlorophenol	ND		0.19	0.064	mg/Kg	☼	11/01/21 19:42	11/02/21 15:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*11/01/21 19:42*	*11/02/21 15:39*	*5*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*11/01/21 19:42*	*11/02/21 15:39*	*5*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*	*11/01/21 19:42*	*11/02/21 15:39*	*5*
Phenol-d5 (Surr)	*68*		*34 - 105*	*11/01/21 19:42*	*11/02/21 15:39*	*5*
Terphenyl-d14 (Surr)	*65*		*20 - 117*	*11/01/21 19:42*	*11/02/21 15:39*	*5*
2,4,6-Tribromophenol (Surr)	*55*		*20 - 119*	*11/01/21 19:42*	*11/02/21 15:39*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1248	**1.0**		0.020	0.0047	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1254	**0.46**		0.020	0.0059	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1260	**0.17**		0.020	0.0056	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	11/04/21 11:40	11/05/21 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*31 - 150*	*11/04/21 11:40*	*11/05/21 14:15*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*31 - 150*	*11/04/21 11:40*	*11/05/21 14:15*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*20 - 150*	*11/04/21 11:40*	*11/05/21 14:15*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*20 - 150*	*11/04/21 11:40*	*11/05/21 14:15*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.7**		0.86	0.33	mg/Kg	☼	11/01/21 15:26	11/05/21 18:03	1
Barium	**83**		17	0.92	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Beryllium	**0.35**		0.34	0.020	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Cadmium	**0.046**	**J**	0.43	0.031	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Chromium	**13**		0.43	0.35	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Copper	**17**		2.1	2.0	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Lead	**36**		0.86	0.44	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Manganese	**370**		1.3	0.35	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Nickel	**17**		3.4	0.21	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Selenium	**0.62**	**J**	0.86	0.44	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1

Client Sample ID: SSHS-IRM5A2-A1-A33C
Lab Sample ID: 180-129110-15
Date Collected: 10/27/21 13:20 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 84.0**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.43	0.090	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1
Zinc	**53**		1.7	1.4	mg/Kg	☼	11/01/21 15:26	11/04/21 15:55	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.035	0.022	mg/Kg	☼	11/01/21 07:57	11/02/21 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.0**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**84.0**		0.1	0.1	%			11/02/21 10:33	1
Hexavalent chromium	**0.31**	**J**	0.48	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:50	1
Cyanide, Total	**0.34**	**J**	0.44	0.24	mg/Kg	☼	11/03/21 16:45	11/04/21 15:14	1

Client Sample ID: SSHS-IRM5A2-A1-A34A
Lab Sample ID: 180-129110-16
Date Collected: 10/27/21 13:36 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 81.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0048	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Benzene	ND		0.0061	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
2-Butanone (MEK)	ND		0.0061	0.0031	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Carbon tetrachloride	ND		0.0061	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Chlorobenzene	ND		0.0061	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Chloroform	ND		0.0061	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
cis-1,2-Dichloroethene	ND		0.0061	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,2-Dichlorobenzene	ND		0.0061	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,3-Dichlorobenzene	ND		0.0061	0.0038	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,4-Dichlorobenzene	ND		0.0061	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,1-Dichloroethane	ND		0.0061	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,2-Dichloroethane	ND		0.0061	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,1-Dichloroethene	ND		0.0061	0.0028	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,4-Dioxane	ND		1.2	0.043	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Ethylbenzene	ND		0.0061	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Methylene Chloride	ND		0.0061	0.0055	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Methyl tert-butyl ether	ND		0.0061	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
n-Butylbenzene	ND		0.0061	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
N-Propylbenzene	ND		0.0061	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
sec-Butylbenzene	ND		0.0061	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
tert-Butylbenzene	ND		0.0061	0.0026	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Tetrachloroethene	ND		0.0061	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Toluene	ND		0.0061	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
trans-1,2-Dichloroethene	ND		0.0061	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,1,1-Trichloroethane	ND		0.0061	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Trichloroethene	ND		0.0061	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,2,4-Trimethylbenzene	ND		0.0061	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
1,3,5-Trimethylbenzene	ND		0.0061	0.0023	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Vinyl chloride	ND	*+	0.0061	0.0044	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1
Xylenes, Total	ND		0.012	0.0088	mg/Kg	☼	11/04/21 06:00	11/04/21 15:13	1

Client Sample ID: SSHS-IRM5A2-A1-A34A — Lab Sample ID: 180-129110-16

Date Collected: 10/27/21 13:36 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 81.3**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*11/04/21 06:00*	*11/04/21 15:13*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*11/04/21 06:00*	*11/04/21 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*11/04/21 06:00*	*11/04/21 15:13*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*11/04/21 06:00*	*11/04/21 15:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.7**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**81.3**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-A34B — Lab Sample ID: 180-129110-17

Date Collected: 10/27/21 13:37 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0046	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Benzene	ND		0.0059	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
2-Butanone (MEK)	ND		0.0059	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Carbon tetrachloride	ND		0.0059	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Chlorobenzene	ND		0.0059	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Chloroform	ND		0.0059	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
cis-1,2-Dichloroethene	ND		0.0059	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,2-Dichlorobenzene	ND		0.0059	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,3-Dichlorobenzene	ND		0.0059	0.0036	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,4-Dichlorobenzene	ND		0.0059	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,1-Dichloroethane	ND		0.0059	0.0019	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,2-Dichloroethane	ND		0.0059	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,1-Dichloroethene	ND		0.0059	0.0027	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Ethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Methylene Chloride	ND		0.0059	0.0053	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Methyl tert-butyl ether	ND		0.0059	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
n-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
N-Propylbenzene	ND		0.0059	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
sec-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
tert-Butylbenzene	ND		0.0059	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Tetrachloroethene	ND		0.0059	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Toluene	ND		0.0059	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
trans-1,2-Dichloroethene	ND		0.0059	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,1,1-Trichloroethane	ND		0.0059	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Trichloroethene	ND		0.0059	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
1,3,5-Trimethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Vinyl chloride	ND	*+	0.0059	0.0042	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1
Xylenes, Total	ND		0.012	0.0085	mg/Kg	☼	11/04/21 06:00	11/04/21 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*11/04/21 06:00*	*11/04/21 15:36*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*11/04/21 06:00*	*11/04/21 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*11/04/21 06:00*	*11/04/21 15:36*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A34B — Lab Sample ID: 180-129110-17

Date Collected: 10/27/21 13:37 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*67 - 134*	*11/04/21 06:00*	*11/04/21 15:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**86.5**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-A34C — Lab Sample ID: 180-129110-18

Date Collected: 10/27/21 13:35 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Acenaphthylene	**0.058**		0.039	0.0085	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Anthracene	**0.058**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Benzo[a]anthracene	**0.15**		0.039	0.018	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Benzo[a]pyrene	**0.11**		0.039	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Benzo[b]fluoranthene	**0.17**		0.039	0.0096	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Benzo[g,h,i]perylene	**0.12**		0.039	0.0084	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Benzo[k]fluoranthene	**0.051**		0.039	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Chrysene	**0.14**		0.039	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Dibenz(a,h)anthracene	**0.034**	**J**	0.039	0.025	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Dibenzofuran	ND		0.19	0.072	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
2,4-Dinitrotoluene	ND		0.19	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
1,4-Dioxane	ND		0.39	0.061	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Fluoranthene	**0.26**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Fluorene	**0.014**	**J**	0.039	0.0076	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Hexachloroethane	ND		0.19	0.069	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Indeno[1,2,3-cd]pyrene	**0.11**		0.039	0.019	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
2-Methylphenol	ND		0.19	0.056	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Methylphenol, 3 & 4	ND		0.19	0.057	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Naphthalene	**0.034**	**J**	0.039	0.0076	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Nitrobenzene	ND		0.39	0.071	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Pentachlorophenol	ND		0.99	0.31	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Phenanthrene	**0.18**		0.039	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Phenol	ND		0.19	0.059	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Pyrene	**0.21**		0.039	0.0092	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
Pyridine	ND		0.39	0.10	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
2,4,5-Trichlorophenol	ND		0.19	0.068	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5
2,4,6-Trichlorophenol	ND		0.19	0.065	mg/Kg	☼	11/01/21 19:42	11/02/21 16:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*11/01/21 19:42*	*11/02/21 16:01*	*5*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*11/01/21 19:42*	*11/02/21 16:01*	*5*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*11/01/21 19:42*	*11/02/21 16:01*	*5*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/01/21 19:42*	*11/02/21 16:01*	*5*
Terphenyl-d14 (Surr)	*72*		*20 - 117*	*11/01/21 19:42*	*11/02/21 16:01*	*5*

Client Sample ID: SSHS-IRM5A2-A1-A34C
Lab Sample ID: 180-129110-18
Date Collected: 10/27/21 13:35 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*11/01/21 19:42*	*11/02/21 16:01*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1221	ND		0.019	0.0069	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1248	**1.4**		0.019	0.0047	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1254	**0.69**		0.019	0.0058	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1260	**0.25**		0.019	0.0055	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/04/21 11:40	11/05/21 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*31 - 150*	*11/04/21 11:40*	*11/05/21 14:34*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*	*11/04/21 11:40*	*11/05/21 14:34*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*20 - 150*	*11/04/21 11:40*	*11/05/21 14:34*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*20 - 150*	*11/04/21 11:40*	*11/05/21 14:34*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		0.90	0.35	mg/Kg	☼	11/01/21 15:26	11/05/21 18:16	1
Barium	**88**		18	0.97	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Beryllium	**0.37**		0.36	0.021	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Cadmium	**0.078**	**J**	0.45	0.033	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Chromium	**10**		0.45	0.37	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Copper	**22**		2.3	2.1	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Lead	**30**		0.90	0.46	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Manganese	**370**		1.4	0.37	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Nickel	**17**		3.6	0.22	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Selenium	**0.79**	**J**	0.90	0.47	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Silver	ND		0.45	0.095	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1
Zinc	**64**		1.8	1.4	mg/Kg	☼	11/01/21 15:26	11/04/21 16:00	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.076**		0.038	0.024	mg/Kg	☼	11/01/21 07:57	11/02/21 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.8**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**85.2**		0.1	0.1	%			11/02/21 10:33	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:51	1
Cyanide, Total	**0.60**		0.49	0.27	mg/Kg	☼	11/03/21 16:45	11/04/21 15:16	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-129110-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A35A
Lab Sample ID: 180-129110-19
Date Collected: 10/27/21 14:01
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 88.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Vinyl chloride	ND	*+	0.0049	0.0035	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	11/04/21 06:00	11/04/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*11/04/21 06:00*	*11/04/21 16:06*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*11/04/21 06:00*	*11/04/21 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*11/04/21 06:00*	*11/04/21 16:06*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*11/04/21 06:00*	*11/04/21 16:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**88.2**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-A35B
Lab Sample ID: 180-129110-20
Date Collected: 10/27/21 14:02
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1

Client Sample ID: SSHS-IRM5A2-A1-A35B
Lab Sample ID: 180-129110-20

Date Collected: 10/27/21 14:02
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 85.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	11/05/21 06:00	11/05/21 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/05/21 06:00*	*11/05/21 11:08*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*11/05/21 06:00*	*11/05/21 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*11/05/21 06:00*	*11/05/21 11:08*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*11/05/21 06:00*	*11/05/21 11:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.5**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**85.5**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-A35C
Lab Sample ID: 180-129110-21

Date Collected: 10/27/21 14:00
Matrix: Solid
Date Received: 10/28/21 10:00
Percent Solids: 86.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.077	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Acenaphthylene	**0.16**		0.077	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Anthracene	**0.16**		0.077	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Benzo[a]anthracene	**0.46**		0.077	0.034	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10

Client Sample ID: SSHS-IRM5A2-A1-A35C **Lab Sample ID: 180-129110-21**
Date Collected: 10/27/21 14:00 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 86.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.35**		0.077	0.033	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Benzo[b]fluoranthene	**0.51**		0.077	0.019	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Benzo[g,h,i]perylene	**0.34**		0.077	0.016	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Benzo[k]fluoranthene	**0.16**		0.077	0.023	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Chrysene	**0.44**		0.077	0.042	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Dibenz(a,h)anthracene	**0.097**		0.077	0.049	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Dibenzofuran	ND		0.38	0.14	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
2,4-Dinitrotoluene	ND		0.38	0.23	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
1,4-Dioxane	ND		0.76	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Fluoranthene	**0.77**		0.077	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Fluorene	**0.033**	**J**	0.077	0.015	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Hexachlorobenzene	ND		0.077	0.027	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Hexachlorobutadiene	ND		0.077	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Hexachloroethane	ND		0.38	0.14	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Indeno[1,2,3-cd]pyrene	**0.31**		0.077	0.038	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
2-Methylphenol	ND		0.38	0.11	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Methylphenol, 3 & 4	ND		0.38	0.11	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Naphthalene	**0.087**		0.077	0.015	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Nitrobenzene	ND		0.76	0.14	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Pentachlorophenol	ND		1.9	0.61	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Phenanthrene	**0.36**		0.077	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Phenol	ND		0.38	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Pyrene	**0.68**		0.077	0.018	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
Pyridine	ND		0.77	0.21	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
2,4,5-Trichlorophenol	ND		0.38	0.13	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10
2,4,6-Trichlorophenol	ND		0.38	0.13	mg/Kg	☼	11/01/21 19:42	11/02/21 16:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*11/01/21 19:42*	*11/02/21 16:23*	*10*
2-Fluorophenol (Surr)	*77*		*32 - 105*	*11/01/21 19:42*	*11/02/21 16:23*	*10*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*11/01/21 19:42*	*11/02/21 16:23*	*10*
Phenol-d5 (Surr)	*77*		*34 - 105*	*11/01/21 19:42*	*11/02/21 16:23*	*10*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*11/01/21 19:42*	*11/02/21 16:23*	*10*
2,4,6-Tribromophenol (Surr)	*60*		*20 - 119*	*11/01/21 19:42*	*11/02/21 16:23*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1248	**2.6**		0.019	0.0045	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1254	**1.2**		0.019	0.0056	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1260	**0.44**		0.019	0.0054	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/04/21 11:40	11/05/21 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*31 - 150*	*11/04/21 11:40*	*11/05/21 14:52*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*31 - 150*	*11/04/21 11:40*	*11/05/21 14:52*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A35C — Lab Sample ID: 180-129110-21

Date Collected: 10/27/21 14:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 86.8**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*		*20 - 150*	*11/04/21 11:40*	*11/05/21 14:52*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*20 - 150*	*11/04/21 11:40*	*11/05/21 14:52*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.8**		0.97	0.38	mg/Kg	☼	11/01/21 15:26	11/05/21 18:21	1
Barium	**81**		19	1.0	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Beryllium	**0.32**	**J**	0.39	0.022	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Cadmium	**0.096**	**J**	0.48	0.035	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Chromium	**9.7**		0.48	0.40	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Copper	**23**		2.4	2.2	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Lead	**48**		0.97	0.49	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Manganese	**380**		1.5	0.39	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Nickel	**15**		3.9	0.24	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Selenium	**1.0**		0.97	0.50	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Silver	ND		0.48	0.10	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1
Zinc	**60**		1.9	1.5	mg/Kg	☼	11/01/21 15:26	11/04/21 16:04	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.036	0.023	mg/Kg	☼	11/01/21 07:57	11/02/21 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.2**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**86.8**		0.1	0.1	%			11/02/21 10:33	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/03/21 11:30	11/06/21 18:52	1
Cyanide, Total	**0.51**		0.46	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 15:18	1

Client Sample ID: SSHS-IRM5A2-A1-DUP3A — Lab Sample ID: 180-129110-22

Date Collected: 10/27/21 00:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 85.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.017	0.0033	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Benzene	ND		0.0042	0.0012	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
2-Butanone (MEK)	ND		0.0042	0.0021	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Carbon tetrachloride	ND		0.0042	0.0017	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Chlorobenzene	ND		0.0042	0.0011	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Chloroform	ND		0.0042	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
cis-1,2-Dichloroethene	ND		0.0042	0.0013	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,2-Dichlorobenzene	ND		0.0042	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,3-Dichlorobenzene	ND		0.0042	0.0026	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,4-Dichlorobenzene	ND		0.0042	0.0013	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,1-Dichloroethane	ND		0.0042	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,2-Dichloroethane	ND		0.0042	0.0012	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,1-Dichloroethene	ND		0.0042	0.0019	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,4-Dioxane	ND		0.85	0.030	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Ethylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1

Client Sample ID: SSHS-IRM5A2-A1-DUP3A — Lab Sample ID: 180-129110-22

Date Collected: 10/27/21 00:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 85.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0042	0.0038	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Methyl tert-butyl ether	ND		0.0042	0.0012	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
n-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
N-Propylbenzene	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
sec-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
tert-Butylbenzene	ND		0.0042	0.0018	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Tetrachloroethene	ND		0.0042	0.0017	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Toluene	ND		0.0042	0.0012	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
trans-1,2-Dichloroethene	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,1,1-Trichloroethane	ND		0.0042	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Trichloroethene	ND		0.0042	0.0013	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,2,4-Trimethylbenzene	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
1,3,5-Trimethylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Vinyl chloride	ND		0.0042	0.0030	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1
Xylenes, Total	ND		0.0085	0.0061	mg/Kg	☼	11/02/21 06:00	11/02/21 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*11/02/21 06:00*	*11/02/21 15:40*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*11/02/21 06:00*	*11/02/21 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*11/02/21 06:00*	*11/02/21 15:40*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*11/02/21 06:00*	*11/02/21 15:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.1**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**85.9**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-DUP3B — Lab Sample ID: 180-129110-23

Date Collected: 10/27/21 00:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 87.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0036	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,2-Dichloroethane	ND		0.0047	0.0013	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,4-Dioxane	ND		0.94	0.033	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Ethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Methylene Chloride	ND		0.0047	0.0042	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1

Client Sample ID: SSHS-IRM5A2-A1-DUP3B — Lab Sample ID: 180-129110-23

Date Collected: 10/27/21 00:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 87.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Tetrachloroethene	ND		0.0047	0.0019	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Toluene	ND		0.0047	0.0013	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
trans-1,2-Dichloroethene	ND		0.0047	0.0016	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Vinyl chloride	ND		0.0047	0.0034	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1
Xylenes, Total	ND		0.0094	0.0067	mg/Kg	☼	11/02/21 06:00	11/02/21 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/02/21 06:00*	*11/02/21 11:49*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*11/02/21 06:00*	*11/02/21 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*11/02/21 06:00*	*11/02/21 11:49*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*11/02/21 06:00*	*11/02/21 11:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.3**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**87.7**		0.1	0.1	%			11/02/21 10:33	1

Client Sample ID: SSHS-IRM5A2-A1-DUP3C — Lab Sample ID: 180-129110-24

Date Collected: 10/27/21 00:00 — **Matrix: Solid**
Date Received: 10/28/21 10:00 — **Percent Solids: 83.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.011**	**J**	0.040	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Acenaphthylene	**0.10**		0.040	0.0086	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Anthracene	**0.073**		0.040	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Benzo[a]anthracene	**0.18**		0.040	0.018	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Benzo[a]pyrene	**0.15**		0.040	0.017	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Benzo[b]fluoranthene	**0.23**		0.040	0.0097	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Benzo[g,h,i]perylene	**0.19**		0.040	0.0085	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Benzo[k]fluoranthene	**0.073**		0.040	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Chrysene	**0.19**		0.040	0.022	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Dibenz(a,h)anthracene	**0.049**		0.040	0.025	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Dibenzofuran	ND		0.20	0.073	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
2,4-Dinitrotoluene	ND		0.20	0.12	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
1,4-Dioxane	ND		0.39	0.062	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Fluoranthene	**0.27**		0.040	0.010	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Fluorene	**0.014**	**J**	0.040	0.0078	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Hexachlorobenzene	ND		0.040	0.014	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Hexachlorobutadiene	ND		0.040	0.012	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Hexachloroethane	ND		0.20	0.070	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Indeno[1,2,3-cd]pyrene	**0.17**		0.040	0.020	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5

Client Sample ID: SSHS-IRM5A2-A1-DUP3C
Lab Sample ID: 180-129110-24
Date Collected: 10/27/21 00:00 **Matrix: Solid**
Date Received: 10/28/21 10:00 **Percent Solids: 83.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.20	0.057	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Methylphenol, 3 & 4	ND		0.20	0.058	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Naphthalene	**0.046**		0.040	0.0077	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Nitrobenzene	ND		0.39	0.072	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Pentachlorophenol	ND		1.0	0.32	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Phenanthrene	**0.11**		0.040	0.011	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Phenol	ND		0.20	0.060	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Pyrene	**0.27**		0.040	0.0094	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
Pyridine	ND		0.40	0.11	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
2,4,5-Trichlorophenol	ND		0.20	0.069	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5
2,4,6-Trichlorophenol	ND		0.20	0.066	mg/Kg	☼	11/01/21 19:42	11/02/21 16:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*11/01/21 19:42*	*11/02/21 16:44*	*5*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*11/01/21 19:42*	*11/02/21 16:44*	*5*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*11/01/21 19:42*	*11/02/21 16:44*	*5*
Phenol-d5 (Surr)	*72*		*34 - 105*	*11/01/21 19:42*	*11/02/21 16:44*	*5*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*11/01/21 19:42*	*11/02/21 16:44*	*5*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 119*	*11/01/21 19:42*	*11/02/21 16:44*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1248	ND		0.020	0.0047	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1254	**0.26**		0.020	0.0059	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1260	**0.12**		0.020	0.0056	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	11/04/21 11:40	11/05/21 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*	*11/04/21 11:40*	*11/05/21 15:11*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*	*11/04/21 11:40*	*11/05/21 15:11*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*20 - 150*	*11/04/21 11:40*	*11/05/21 15:11*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*20 - 150*	*11/04/21 11:40*	*11/05/21 15:11*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		1.1	0.43	mg/Kg	☼	11/01/21 15:26	11/05/21 18:25	1
Barium	**73**		22	1.2	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Beryllium	**0.42**	**J**	0.44	0.025	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Cadmium	ND		0.55	0.040	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Chromium	**12**		0.55	0.45	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Copper	**20**		2.7	2.5	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Lead	**21**		1.1	0.56	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Manganese	**490**		1.6	0.44	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Nickel	**20**		4.4	0.27	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Selenium	**0.66**	**J**	1.1	0.56	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129110-1

Client Sample ID: SSHS-IRM5A2-A1-DUP3C
Date Collected: 10/27/21 00:00
Date Received: 10/28/21 10:00

Lab Sample ID: 180-129110-24
Matrix: Solid
Percent Solids: 83.9

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.55	0.12	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1
Zinc	**59**		2.2	1.7	mg/Kg	☼	11/01/21 15:26	11/04/21 16:18	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.064**		0.027	0.017	mg/Kg	☼	11/01/21 07:57	11/02/21 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.1**		0.1	0.1	%			11/02/21 10:33	1
Percent Solids	**83.9**		0.1	0.1	%			11/02/21 10:33	1
Hexavalent chromium	ND		0.48	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:53	1
Cyanide, Total	**0.32**	**J**	0.50	0.27	mg/Kg	☼	11/03/21 16:45	11/04/21 15:19	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-377274/6
Matrix: Solid
Analysis Batch: 377274

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/02/21 08:44	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/02/21 08:44	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/02/21 08:44	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/02/21 08:44	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/02/21 08:44	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/02/21 08:44	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/02/21 08:44	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/02/21 08:44	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/02/21 08:44	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/02/21 08:44	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/02/21 08:44	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/02/21 08:44	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/02/21 08:44	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/02/21 08:44	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/02/21 08:44	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/02/21 08:44	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/02/21 08:44	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/02/21 08:44	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/02/21 08:44	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/02/21 08:44	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/02/21 08:44	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/02/21 08:44	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/02/21 08:44	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/02/21 08:44	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/02/21 08:44	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/02/21 08:44	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/02/21 08:44	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/02/21 08:44	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/02/21 08:44	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/02/21 08:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*		*11/02/21 08:44*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*		*11/02/21 08:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*11/02/21 08:44*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*11/02/21 08:44*	*1*

Lab Sample ID: LCS 180-377274/3
Matrix: Solid
Analysis Batch: 377274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0421		mg/Kg		105	23 - 170
Benzene	0.0400	0.0424		mg/Kg		106	77 - 120
2-Butanone (MEK)	0.0400	0.0351		mg/Kg		88	39 - 157
Carbon tetrachloride	0.0400	0.0436		mg/Kg		109	73 - 130
Chlorobenzene	0.0400	0.0423		mg/Kg		106	79 - 122
Chloroform	0.0400	0.0415		mg/Kg		104	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-377274/3
Matrix: Solid
Analysis Batch: 377274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0417		mg/Kg		104	77 - 118
1,2-Dichlorobenzene	0.0400	0.0409		mg/Kg		102	76 - 120
1,3-Dichlorobenzene	0.0400	0.0418		mg/Kg		104	77 - 121
1,4-Dichlorobenzene	0.0400	0.0418		mg/Kg		105	79 - 120
1,1-Dichloroethane	0.0400	0.0422		mg/Kg		106	73 - 124
1,2-Dichloroethane	0.0400	0.0411		mg/Kg		103	64 - 140
1,1-Dichloroethene	0.0400	0.0451		mg/Kg		113	55 - 136
1,4-Dioxane	0.800	0.896	J	mg/Kg		112	18 - 166
Ethylbenzene	0.0400	0.0439		mg/Kg		110	79 - 119
Methylene Chloride	0.0400	0.0456		mg/Kg		114	67 - 131
Methyl tert-butyl ether	0.0400	0.0396		mg/Kg		99	58 - 132
n-Butylbenzene	0.0400	0.0453		mg/Kg		113	64 - 136
N-Propylbenzene	0.0400	0.0430		mg/Kg		108	71 - 127
sec-Butylbenzene	0.0400	0.0443		mg/Kg		111	65 - 130
tert-Butylbenzene	0.0400	0.0433		mg/Kg		108	69 - 133
Tetrachloroethene	0.0400	0.0426		mg/Kg		107	71 - 121
Toluene	0.0400	0.0424		mg/Kg		106	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0435		mg/Kg		109	75 - 122
1,1,1-Trichloroethane	0.0400	0.0446		mg/Kg		111	72 - 134
Trichloroethene	0.0400	0.0416		mg/Kg		104	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0432		mg/Kg		108	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0416		mg/Kg		104	69 - 131
Vinyl chloride	0.0400	0.0510		mg/Kg		128	64 - 134
Xylenes, Total	0.0800	0.0855		mg/Kg		107	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-377274/4
Matrix: Solid
Analysis Batch: 377274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0398		mg/Kg		100	23 - 170	5	35
Benzene	0.0400	0.0425		mg/Kg		106	77 - 120	0	20
2-Butanone (MEK)	0.0400	0.0332		mg/Kg		83	39 - 157	6	33
Carbon tetrachloride	0.0400	0.0426		mg/Kg		107	73 - 130	2	21
Chlorobenzene	0.0400	0.0419		mg/Kg		105	79 - 122	1	20
Chloroform	0.0400	0.0422		mg/Kg		106	73 - 126	2	20
cis-1,2-Dichloroethene	0.0400	0.0420		mg/Kg		105	77 - 118	1	20
1,2-Dichlorobenzene	0.0400	0.0408		mg/Kg		102	76 - 120	0	20
1,3-Dichlorobenzene	0.0400	0.0408		mg/Kg		102	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0411		mg/Kg		103	79 - 120	2	20
1,1-Dichloroethane	0.0400	0.0424		mg/Kg		106	73 - 124	0	20
1,2-Dichloroethane	0.0400	0.0423		mg/Kg		106	64 - 140	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-377274/4
Matrix: Solid
Analysis Batch: 377274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0433		mg/Kg		108	55 - 136	4	21
1,4-Dioxane			0.800	0.837	J	mg/Kg		105	18 - 166	7	40
Ethylbenzene			0.0400	0.0427		mg/Kg		107	79 - 119	3	20
Methylene Chloride			0.0400	0.0457		mg/Kg		114	67 - 131	0	32
Methyl tert-butyl ether			0.0400	0.0411		mg/Kg		103	58 - 132	4	24
n-Butylbenzene			0.0400	0.0435		mg/Kg		109	64 - 136	4	21
N-Propylbenzene			0.0400	0.0408		mg/Kg		102	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0424		mg/Kg		106	65 - 130	4	20
tert-Butylbenzene			0.0400	0.0412		mg/Kg		103	69 - 133	5	23
Tetrachloroethene			0.0400	0.0415		mg/Kg		104	71 - 121	3	21
Toluene			0.0400	0.0417		mg/Kg		104	76 - 120	2	20
trans-1,2-Dichloroethene			0.0400	0.0425		mg/Kg		106	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0439		mg/Kg		110	72 - 134	2	20
Trichloroethene			0.0400	0.0414		mg/Kg		103	69 - 118	1	20
1,2,4-Trimethylbenzene			0.0400	0.0423		mg/Kg		106	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0404		mg/Kg		101	69 - 131	3	20
Vinyl chloride			0.0400	0.0503		mg/Kg		126	64 - 134	1	23
Xylenes, Total			0.0800	0.0844		mg/Kg		106	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*
Dibromofluoromethane (Surr)	*108*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: MB 180-377550/6
Matrix: Solid
Analysis Batch: 377550

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/04/21 10:34	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/04/21 10:34	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/04/21 10:34	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/04/21 10:34	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/04/21 10:34	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/04/21 10:34	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/04/21 10:34	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/04/21 10:34	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/04/21 10:34	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/04/21 10:34	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/04/21 10:34	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/04/21 10:34	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/04/21 10:34	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/04/21 10:34	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/04/21 10:34	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/04/21 10:34	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/04/21 10:34	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/04/21 10:34	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-377550/6
Matrix: Solid
Analysis Batch: 377550

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/04/21 10:34	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/04/21 10:34	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/04/21 10:34	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/04/21 10:34	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/04/21 10:34	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/04/21 10:34	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/04/21 10:34	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/04/21 10:34	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/04/21 10:34	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/04/21 10:34	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/04/21 10:34	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/04/21 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*		*11/04/21 10:34*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*		*11/04/21 10:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*		*11/04/21 10:34*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*		*11/04/21 10:34*	*1*

Lab Sample ID: LCS 180-377550/3
Matrix: Solid
Analysis Batch: 377550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0444		mg/Kg		111	23 - 170
Benzene	0.0400	0.0464		mg/Kg		116	77 - 120
2-Butanone (MEK)	0.0400	0.0350		mg/Kg		88	39 - 157
Carbon tetrachloride	0.0400	0.0463		mg/Kg		116	73 - 130
Chlorobenzene	0.0400	0.0451		mg/Kg		113	79 - 122
Chloroform	0.0400	0.0444		mg/Kg		111	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0452		mg/Kg		113	77 - 118
1,2-Dichlorobenzene	0.0400	0.0442		mg/Kg		111	76 - 120
1,3-Dichlorobenzene	0.0400	0.0444		mg/Kg		111	77 - 121
1,4-Dichlorobenzene	0.0400	0.0445		mg/Kg		111	79 - 120
1,1-Dichloroethane	0.0400	0.0454		mg/Kg		114	73 - 124
1,2-Dichloroethane	0.0400	0.0444		mg/Kg		111	64 - 140
1,1-Dichloroethene	0.0400	0.0474		mg/Kg		119	55 - 136
1,4-Dioxane	0.800	0.885	J	mg/Kg		111	18 - 166
Ethylbenzene	0.0400	0.0471		mg/Kg		118	79 - 119
Methylene Chloride	0.0400	0.0457		mg/Kg		114	67 - 131
Methyl tert-butyl ether	0.0400	0.0431		mg/Kg		108	58 - 132
n-Butylbenzene	0.0400	0.0477		mg/Kg		119	64 - 136
N-Propylbenzene	0.0400	0.0453		mg/Kg		113	71 - 127
sec-Butylbenzene	0.0400	0.0465		mg/Kg		116	65 - 130
tert-Butylbenzene	0.0400	0.0455		mg/Kg		114	69 - 133
Tetrachloroethene	0.0400	0.0454		mg/Kg		114	71 - 121
Toluene	0.0400	0.0455		mg/Kg		114	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0465		mg/Kg		116	75 - 122

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-377550/3
Matrix: Solid
Analysis Batch: 377550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0400	0.0472		mg/Kg		118	72 - 134		
Trichloroethene			0.0400	0.0439		mg/Kg		110	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0455		mg/Kg		114	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0438		mg/Kg		109	69 - 131		
Vinyl chloride			0.0400	0.0548	*+	mg/Kg		137	64 - 134		
Xylenes, Total			0.0800	0.0925		mg/Kg		116	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: LCSD 180-377550/4
Matrix: Solid
Analysis Batch: 377550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0429		mg/Kg		107	23 - 170	3	35
Benzene			0.0400	0.0454		mg/Kg		113	77 - 120	2	20
2-Butanone (MEK)			0.0400	0.0349		mg/Kg		87	39 - 157	0	33
Carbon tetrachloride			0.0400	0.0448		mg/Kg		112	73 - 130	3	21
Chlorobenzene			0.0400	0.0443		mg/Kg		111	79 - 122	2	20
Chloroform			0.0400	0.0437		mg/Kg		109	73 - 126	2	20
cis-1,2-Dichloroethene			0.0400	0.0446		mg/Kg		111	77 - 118	1	20
1,2-Dichlorobenzene			0.0400	0.0433		mg/Kg		108	76 - 120	2	20
1,3-Dichlorobenzene			0.0400	0.0440		mg/Kg		110	77 - 121	1	20
1,4-Dichlorobenzene			0.0400	0.0442		mg/Kg		110	79 - 120	1	20
1,1-Dichloroethane			0.0400	0.0448		mg/Kg		112	73 - 124	1	20
1,2-Dichloroethane			0.0400	0.0436		mg/Kg		109	64 - 140	2	20
1,1-Dichloroethene			0.0400	0.0457		mg/Kg		114	55 - 136	4	21
1,4-Dioxane			0.800	0.836	J	mg/Kg		105	18 - 166	6	40
Ethylbenzene			0.0400	0.0460		mg/Kg		115	79 - 119	2	20
Methylene Chloride			0.0400	0.0457		mg/Kg		114	67 - 131	0	32
Methyl tert-butyl ether			0.0400	0.0419		mg/Kg		105	58 - 132	3	24
n-Butylbenzene			0.0400	0.0477		mg/Kg		119	64 - 136	0	21
N-Propylbenzene			0.0400	0.0449		mg/Kg		112	71 - 127	1	20
sec-Butylbenzene			0.0400	0.0463		mg/Kg		116	65 - 130	1	20
tert-Butylbenzene			0.0400	0.0453		mg/Kg		113	69 - 133	0	23
Tetrachloroethene			0.0400	0.0442		mg/Kg		110	71 - 121	3	21
Toluene			0.0400	0.0444		mg/Kg		111	76 - 120	2	20
trans-1,2-Dichloroethene			0.0400	0.0461		mg/Kg		115	75 - 122	1	20
1,1,1-Trichloroethane			0.0400	0.0456		mg/Kg		114	72 - 134	3	20
Trichloroethene			0.0400	0.0433		mg/Kg		108	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0455		mg/Kg		114	74 - 127	0	20
1,3,5-Trimethylbenzene			0.0400	0.0432		mg/Kg		108	69 - 131	1	20
Vinyl chloride			0.0400	0.0530		mg/Kg		132	64 - 134	3	23
Xylenes, Total			0.0800	0.0900		mg/Kg		113	78 - 118	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-377550/4
Matrix: Solid
Analysis Batch: 377550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: MB 180-377732/6
Matrix: Solid
Analysis Batch: 377732

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/05/21 09:14	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/05/21 09:14	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/05/21 09:14	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/05/21 09:14	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/05/21 09:14	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/05/21 09:14	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/05/21 09:14	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/05/21 09:14	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/05/21 09:14	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/05/21 09:14	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/05/21 09:14	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/05/21 09:14	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/05/21 09:14	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/05/21 09:14	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/05/21 09:14	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/05/21 09:14	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/05/21 09:14	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/05/21 09:14	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/05/21 09:14	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/05/21 09:14	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/05/21 09:14	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/05/21 09:14	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/05/21 09:14	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/05/21 09:14	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/05/21 09:14	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/05/21 09:14	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/05/21 09:14	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/05/21 09:14	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/05/21 09:14	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/05/21 09:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*		*11/05/21 09:14*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*		*11/05/21 09:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*		*11/05/21 09:14*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*		*11/05/21 09:14*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-377732/3
Matrix: Solid
Analysis Batch: 377732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0426		mg/Kg		106	23 - 170
Benzene	0.0400	0.0439		mg/Kg		110	77 - 120
2-Butanone (MEK)	0.0400	0.0335		mg/Kg		84	39 - 157
Carbon tetrachloride	0.0400	0.0444		mg/Kg		111	73 - 130
Chlorobenzene	0.0400	0.0434		mg/Kg		108	79 - 122
Chloroform	0.0400	0.0415		mg/Kg		104	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0425		mg/Kg		106	77 - 118
1,2-Dichlorobenzene	0.0400	0.0429		mg/Kg		107	76 - 120
1,3-Dichlorobenzene	0.0400	0.0436		mg/Kg		109	77 - 121
1,4-Dichlorobenzene	0.0400	0.0436		mg/Kg		109	79 - 120
1,1-Dichloroethane	0.0400	0.0430		mg/Kg		107	73 - 124
1,2-Dichloroethane	0.0400	0.0417		mg/Kg		104	64 - 140
1,1-Dichloroethene	0.0400	0.0456		mg/Kg		114	55 - 136
1,4-Dioxane	0.800	0.891	J	mg/Kg		111	18 - 166
Ethylbenzene	0.0400	0.0457		mg/Kg		114	79 - 119
Methylene Chloride	0.0400	0.0458		mg/Kg		114	67 - 131
Methyl tert-butyl ether	0.0400	0.0397		mg/Kg		99	58 - 132
n-Butylbenzene	0.0400	0.0472		mg/Kg		118	64 - 136
N-Propylbenzene	0.0400	0.0450		mg/Kg		113	71 - 127
sec-Butylbenzene	0.0400	0.0463		mg/Kg		116	65 - 130
tert-Butylbenzene	0.0400	0.0451		mg/Kg		113	69 - 133
Tetrachloroethene	0.0400	0.0438		mg/Kg		109	71 - 121
Toluene	0.0400	0.0442		mg/Kg		111	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0446		mg/Kg		111	75 - 122
1,1,1-Trichloroethane	0.0400	0.0459		mg/Kg		115	72 - 134
Trichloroethene	0.0400	0.0416		mg/Kg		104	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0451		mg/Kg		113	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0435		mg/Kg		109	69 - 131
Vinyl chloride	0.0400	0.0532		mg/Kg		133	64 - 134
Xylenes, Total	0.0800	0.0894		mg/Kg		112	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-377264/1-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/01/21 19:42	11/02/21 10:57	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-377264/1-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Phenol	ND		0.033	0.010	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
Pyridine	ND		0.067	0.018	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/01/21 19:42	11/02/21 10:57	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/01/21 19:42	11/02/21 10:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
2-Fluorophenol (Surr)	*73*		*32 - 105*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*11/01/21 19:42*	*11/02/21 10:57*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*	*11/01/21 19:42*	*11/02/21 10:57*	*1*

Lab Sample ID: LCS 180-377264/2-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.461		mg/Kg		69	41 - 100
Acenaphthylene	0.667	0.471		mg/Kg		71	45 - 100
Anthracene	0.667	0.490		mg/Kg		74	47 - 100
Benzo[a]anthracene	0.667	0.521		mg/Kg		78	47 - 100
Benzo[a]pyrene	0.667	0.438		mg/Kg		66	45 - 101
Benzo[b]fluoranthene	0.667	0.456		mg/Kg		68	44 - 100
Benzo[g,h,i]perylene	0.667	0.429		mg/Kg		64	45 - 103
Benzo[k]fluoranthene	0.667	0.387		mg/Kg		58	43 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-377264/2-A
Matrix: Solid
Analysis Batch: 377325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	0.667	0.466		mg/Kg		70	44 - 100
Dibenz(a,h)anthracene	0.667	0.481		mg/Kg		72	46 - 107
Dibenzofuran	0.667	0.466		mg/Kg		70	47 - 100
2,4-Dinitrotoluene	0.667	0.538		mg/Kg		81	48 - 106
1,4-Dioxane	0.667	0.398		mg/Kg		60	10 - 133
Fluoranthene	0.667	0.514		mg/Kg		77	49 - 102
Fluorene	0.667	0.476		mg/Kg		71	46 - 100
Hexachlorobenzene	0.667	0.454		mg/Kg		68	45 - 101
Hexachlorobutadiene	0.667	0.448		mg/Kg		67	38 - 110
Hexachloroethane	0.667	0.459		mg/Kg		69	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.470		mg/Kg		70	48 - 104
2-Methylphenol	0.667	0.477		mg/Kg		71	43 - 101
Methylphenol, 3 & 4	0.667	0.481		mg/Kg		72	43 - 104
Naphthalene	0.667	0.469		mg/Kg		70	43 - 100
Nitrobenzene	0.667	0.480		mg/Kg		72	43 - 107
Pentachlorophenol	1.33	1.02		mg/Kg		77	34 - 112
Phenanthrene	0.667	0.474		mg/Kg		71	46 - 100
Phenol	0.667	0.490		mg/Kg		73	42 - 103
Pyrene	0.667	0.476		mg/Kg		71	44 - 102
Pyridine	1.33	0.954		mg/Kg		72	25 - 109
2,4,5-Trichlorophenol	0.667	0.492		mg/Kg		74	47 - 108
2,4,6-Trichlorophenol	0.667	0.472		mg/Kg		71	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*35 - 105*
2-Fluorophenol (Surr)	*76*		*32 - 105*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*
Phenol-d5 (Surr)	*74*		*34 - 105*
Terphenyl-d14 (Surr)	*72*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377070/1-A
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/04/21 11:40	11/05/21 11:08	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/04/21 11:40	11/05/21 11:08	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-377070/1-A
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377070

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	119		31 - 150	11/04/21 11:40	11/05/21 11:08	1
DCB Decachlorobiphenyl (Surr)	114		31 - 150	11/04/21 11:40	11/05/21 11:08	1
Tetrachloro-m-xylene (Surr)	101		20 - 150	11/04/21 11:40	11/05/21 11:08	1
Tetrachloro-m-xylene (Surr)	98		20 - 150	11/04/21 11:40	11/05/21 11:08	1

Lab Sample ID: LCS 180-377070/2-A
Matrix: Solid
Analysis Batch: 377769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.11		mg/Kg		83	43 - 136
PCB-1260	1.33	1.30		mg/Kg		97	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	117		63 - 138
DCB Decachlorobiphenyl (Surr)	112		63 - 138
Tetrachloro-m-xylene (Surr)	109		55 - 135
Tetrachloro-m-xylene (Surr)	104		55 - 135

Lab Sample ID: MB 180-377409/1-C
Matrix: Solid
Analysis Batch: 377511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/02/21 23:12	11/03/21 15:09	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/02/21 23:12	11/03/21 15:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	128		63 - 138	11/02/21 23:12	11/03/21 15:09	1
DCB Decachlorobiphenyl (Surr)	124		63 - 138	11/02/21 23:12	11/03/21 15:09	1
Tetrachloro-m-xylene (Surr)	116		55 - 135	11/02/21 23:12	11/03/21 15:09	1
Tetrachloro-m-xylene (Surr)	109		55 - 135	11/02/21 23:12	11/03/21 15:09	1

Lab Sample ID: LCS 180-377409/2-C
Matrix: Solid
Analysis Batch: 377511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.04		mg/Kg		78	43 - 136
PCB-1260	1.33	1.18		mg/Kg		89	55 - 128

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-377409/2-C
Matrix: Solid
Analysis Batch: 377511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377409

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*

Lab Sample ID: 180-129110-3 MS
Matrix: Solid
Analysis Batch: 377511

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA
Prep Batch: 377409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.52	1.16		mg/Kg	☼	76	43 - 136
PCB-1260	0.030		1.52	1.21		mg/Kg	☼	77	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Lab Sample ID: 180-129110-3 MSD
Matrix: Solid
Analysis Batch: 377511

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA
Prep Batch: 377409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.53	1.14		mg/Kg	☼	74	43 - 136	2	40
PCB-1260	0.030		1.53	1.15		mg/Kg	☼	73	55 - 128	5	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-377245/1-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	1.1	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Beryllium	ND		0.40	0.023	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Cadmium	ND		0.50	0.036	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Chromium	ND		0.50	0.41	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Copper	ND		2.5	2.3	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Lead	ND		1.0	0.51	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Manganese	ND		1.5	0.41	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Nickel	ND		4.0	0.25	mg/Kg		11/01/21 15:26	11/04/21 14:47	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-377245/1-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.0	0.52	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Silver	ND		0.50	0.11	mg/Kg		11/01/21 15:26	11/04/21 14:47	1
Zinc	ND		2.0	1.6	mg/Kg		11/01/21 15:26	11/04/21 14:47	1

Lab Sample ID: MB 180-377245/1-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/01/21 15:26	11/05/21 16:54	1

Lab Sample ID: LCS 180-377245/2-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	100	96.9		mg/Kg		97	80 - 120
Beryllium	50.0	48.6		mg/Kg		97	80 - 120
Cadmium	50.0	48.7		mg/Kg		97	80 - 120
Chromium	50.0	47.6		mg/Kg		95	80 - 120
Copper	50.0	48.5		mg/Kg		97	80 - 120
Lead	50.0	46.8		mg/Kg		94	80 - 120
Manganese	50.0	47.5		mg/Kg		95	80 - 120
Nickel	50.0	47.9		mg/Kg		96	80 - 120
Selenium	100	98.1		mg/Kg		98	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120
Zinc	25.0	23.7		mg/Kg		95	80 - 120

Lab Sample ID: LCS 180-377245/2-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-377135/1-A
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/01/21 07:57	11/02/21 12:16	1

Lab Sample ID: LCS 180-377135/2-A
Matrix: Solid
Analysis Batch: 377381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.412		mg/Kg		101	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-129110-3 DU
Matrix: Solid
Analysis Batch: 377319

Client Sample ID: SSHS-IRM5A2-A1-A29C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.2		13.2		%		7	10
Percent Solids	85.8		86.8		%		1	10

Lab Sample ID: 180-129110-15 DU
Matrix: Solid
Analysis Batch: 377327

Client Sample ID: SSHS-IRM5A2-A1-A33C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.0		15.4		%		4	10
Percent Solids	84.0		84.6		%		0.7	10

Lab Sample ID: 180-129110-24 DU
Matrix: Solid
Analysis Batch: 377327

Client Sample ID: SSHS-IRM5A2-A1-DUP3C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.1		15.0		%		7	10
Percent Solids	83.9		85.0		%		1	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-377500/1-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/03/21 11:30	11/06/21 18:26	1

Lab Sample ID: LCSI 180-377500/3-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	708		mg/Kg		100	80 - 120

Lab Sample ID: LCSS 180-377500/2-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.1		mg/Kg		91	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-377505/4-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/03/21 16:45	11/04/21 12:33	1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: HLCS 180-377505/2-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.262		mg/Kg		105	90 - 110

Lab Sample ID: LCS 180-377505/3-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.4		mg/Kg		84	17 - 163

Lab Sample ID: LLCS 180-377505/1-A
Matrix: Solid
Analysis Batch: 377671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377505

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0522		mg/Kg		104	90 - 110

Lab Sample ID: MB 180-377507/4-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/03/21 16:45	11/04/21 15:11	1

Lab Sample ID: HLCS 180-377507/2-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377507

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.256		mg/Kg		103	90 - 110

Lab Sample ID: LCS 180-377507/3-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	18.8		mg/Kg		81	17 - 163

Lab Sample ID: LLCS 180-377507/1-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377507

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0503		mg/Kg		101	90 - 110

GC/MS VOA

Analysis Batch: 377274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-22	SSHS-IRM5A2-A1-DUP3A	Total/NA	Solid	EPA 8260C	377284
180-129110-23	SSHS-IRM5A2-A1-DUP3B	Total/NA	Solid	EPA 8260C	377284
MB 180-377274/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377274/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377274/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 377284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-22	SSHS-IRM5A2-A1-DUP3A	Total/NA	Solid	5035	
180-129110-23	SSHS-IRM5A2-A1-DUP3B	Total/NA	Solid	5035	

Analysis Batch: 377550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-1	SSHS-IRM5A2-A1-A29A	Total/NA	Solid	EPA 8260C	377614
180-129110-2	SSHS-IRM5A2-A1-A29B	Total/NA	Solid	EPA 8260C	377614
180-129110-4	SSHS-IRM5A2-A1-A30A	Total/NA	Solid	EPA 8260C	377614
180-129110-5	SSHS-IRM5A2-A1-A30B	Total/NA	Solid	EPA 8260C	377614
180-129110-7	SSHS-IRM5A2-A1-A31A	Total/NA	Solid	EPA 8260C	377614
180-129110-8	SSHS-IRM5A2-A1-A31B	Total/NA	Solid	EPA 8260C	377614
180-129110-10	SSHS-IRM5A2-A1-A32A	Total/NA	Solid	EPA 8260C	377614
180-129110-11	SSHS-IRM5A2-A1-A32B	Total/NA	Solid	EPA 8260C	377614
180-129110-13	SSHS-IRM5A2-A1-A33A	Total/NA	Solid	EPA 8260C	377614
180-129110-16	SSHS-IRM5A2-A1-A34A	Total/NA	Solid	EPA 8260C	377614
180-129110-17	SSHS-IRM5A2-A1-A34B	Total/NA	Solid	EPA 8260C	377614
180-129110-19	SSHS-IRM5A2-A1-A35A	Total/NA	Solid	EPA 8260C	377614
MB 180-377550/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377550/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377550/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 377614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-1	SSHS-IRM5A2-A1-A29A	Total/NA	Solid	5035	
180-129110-2	SSHS-IRM5A2-A1-A29B	Total/NA	Solid	5035	
180-129110-4	SSHS-IRM5A2-A1-A30A	Total/NA	Solid	5035	
180-129110-5	SSHS-IRM5A2-A1-A30B	Total/NA	Solid	5035	
180-129110-7	SSHS-IRM5A2-A1-A31A	Total/NA	Solid	5035	
180-129110-8	SSHS-IRM5A2-A1-A31B	Total/NA	Solid	5035	
180-129110-10	SSHS-IRM5A2-A1-A32A	Total/NA	Solid	5035	
180-129110-11	SSHS-IRM5A2-A1-A32B	Total/NA	Solid	5035	
180-129110-13	SSHS-IRM5A2-A1-A33A	Total/NA	Solid	5035	
180-129110-16	SSHS-IRM5A2-A1-A34A	Total/NA	Solid	5035	
180-129110-17	SSHS-IRM5A2-A1-A34B	Total/NA	Solid	5035	
180-129110-19	SSHS-IRM5A2-A1-A35A	Total/NA	Solid	5035	

Analysis Batch: 377732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-14	SSHS-IRM5A2-A1-A33B	Total/NA	Solid	EPA 8260C	377770
180-129110-20	SSHS-IRM5A2-A1-A35B	Total/NA	Solid	EPA 8260C	377770
MB 180-377732/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377732/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129110-1

GC/MS VOA

Prep Batch: 377770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-14	SSHS-IRM5A2-A1-A33B	Total/NA	Solid	5035	
180-129110-20	SSHS-IRM5A2-A1-A35B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 377264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3541	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	3541	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	3541	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	3541	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	3541	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	3541	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	3541	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	3541	
MB 180-377264/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377264/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 377325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 8270D LL	377264
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 8270D LL	377264
MB 180-377264/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	377264
LCS 180-377264/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	377264

GC Semi VOA

Prep Batch: 377070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	3541	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	3541	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	3541	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	3541	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	3541	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	3541	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	3541	
MB 180-377070/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377070/2-A	Lab Control Sample	Total/NA	Solid	3541	

Prep Batch: 377409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3541	
MB 180-377409/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-377409/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-129110-3 MS	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3541	
180-129110-3 MSD	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3541	

GC Semi VOA

Cleanup Batch: 377508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3665A	377409
MB 180-377409/1-C	Method Blank	Total/NA	Solid	3665A	377409
LCS 180-377409/2-C	Lab Control Sample	Total/NA	Solid	3665A	377409
180-129110-3 MS	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3665A	377409
180-129110-3 MSD	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3665A	377409

Cleanup Batch: 377509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3660B	377508
MB 180-377409/1-C	Method Blank	Total/NA	Solid	3660B	377508
LCS 180-377409/2-C	Lab Control Sample	Total/NA	Solid	3660B	377508
180-129110-3 MS	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3660B	377508
180-129110-3 MSD	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3660B	377508

Analysis Batch: 377511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 8082A	377509
MB 180-377409/1-C	Method Blank	Total/NA	Solid	EPA 8082A	377509
LCS 180-377409/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	377509
180-129110-3 MS	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 8082A	377509
180-129110-3 MSD	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 8082A	377509

Cleanup Batch: 377762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	3665A	377070
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	3665A	377070
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	3665A	377070
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	3665A	377070
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	3665A	377070
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	3665A	377070
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	3665A	377070

Cleanup Batch: 377764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	3660B	377762
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	3660B	377762
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	3660B	377762
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	3660B	377762
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	3660B	377762
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	3660B	377762
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	3660B	377762

Analysis Batch: 377769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 8082A	377764
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 8082A	377764
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 8082A	377764
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 8082A	377764
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 8082A	377764
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 8082A	377764
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 8082A	377764

GC Semi VOA (Continued)

Analysis Batch: 377769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-377070/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377070
LCS 180-377070/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377070

Metals

Prep Batch: 377135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	7471B	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	7471B	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	7471B	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	7471B	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	7471B	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	7471B	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	7471B	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	7471B	
MB 180-377135/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-377135/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 377245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3050B	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	3050B	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	3050B	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	3050B	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	3050B	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	3050B	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	3050B	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	3050B	
MB 180-377245/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-377245/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 377381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 7471B	377135
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 7471B	377135
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 7471B	377135
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 7471B	377135
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 7471B	377135
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 7471B	377135
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 7471B	377135
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 7471B	377135
MB 180-377135/1-A	Method Blank	Total/NA	Solid	EPA 7471B	377135
LCS 180-377135/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	377135

Analysis Batch: 377719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 6010C	377245
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 6010C	377245
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 6010C	377245
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 6010C	377245
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 6010C	377245

Metals (Continued)

Analysis Batch: 377719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 6010C	377245
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 6010C	377245
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 6010C	377245
MB 180-377245/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377245
LCS 180-377245/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377245

Analysis Batch: 377996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 6010C	377245
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 6010C	377245
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 6010C	377245
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 6010C	377245
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 6010C	377245
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 6010C	377245
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 6010C	377245
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 6010C	377245
MB 180-377245/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377245
LCS 180-377245/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377245

General Chemistry

Analysis Batch: 377319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-1	SSHS-IRM5A2-A1-A29A	Total/NA	Solid	2540G	
180-129110-2	SSHS-IRM5A2-A1-A29B	Total/NA	Solid	2540G	
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	2540G	
180-129110-4	SSHS-IRM5A2-A1-A30A	Total/NA	Solid	2540G	
180-129110-5	SSHS-IRM5A2-A1-A30B	Total/NA	Solid	2540G	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	2540G	
180-129110-7	SSHS-IRM5A2-A1-A31A	Total/NA	Solid	2540G	
180-129110-8	SSHS-IRM5A2-A1-A31B	Total/NA	Solid	2540G	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	2540G	
180-129110-10	SSHS-IRM5A2-A1-A32A	Total/NA	Solid	2540G	
180-129110-11	SSHS-IRM5A2-A1-A32B	Total/NA	Solid	2540G	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	2540G	
180-129110-13	SSHS-IRM5A2-A1-A33A	Total/NA	Solid	2540G	
180-129110-3 DU	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	2540G	

Analysis Batch: 377327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-14	SSHS-IRM5A2-A1-A33B	Total/NA	Solid	2540G	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	2540G	
180-129110-16	SSHS-IRM5A2-A1-A34A	Total/NA	Solid	2540G	
180-129110-17	SSHS-IRM5A2-A1-A34B	Total/NA	Solid	2540G	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	2540G	
180-129110-19	SSHS-IRM5A2-A1-A35A	Total/NA	Solid	2540G	
180-129110-20	SSHS-IRM5A2-A1-A35B	Total/NA	Solid	2540G	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	2540G	
180-129110-22	SSHS-IRM5A2-A1-DUP3A	Total/NA	Solid	2540G	
180-129110-23	SSHS-IRM5A2-A1-DUP3B	Total/NA	Solid	2540G	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 377327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-15 DU	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	2540G	
180-129110-24 DU	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	2540G	

Prep Batch: 377500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	3060A	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	3060A	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	3060A	
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	3060A	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	3060A	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	3060A	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	3060A	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	3060A	
MB 180-377500/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 377505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	9010C	
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	9010C	
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	9010C	
MB 180-377505/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377505/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377505/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-377505/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 377507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	9010C	
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	9010C	
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	9010C	
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	9010C	
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	9010C	
MB 180-377507/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377507/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377507/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-377507/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 377671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 9014	377505
MB 180-377505/4-A	Method Blank	Total/NA	Solid	EPA 9014	377505
HLCS 180-377505/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377505
LCS 180-377505/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377505
LLCS 180-377505/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377505

Analysis Batch: 377678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 9014	377505
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 9014	377505

General Chemistry

Analysis Batch: 377704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 9014	377507
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 9014	377507
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 9014	377507
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 9014	377507
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 9014	377507
MB 180-377507/4-A	Method Blank	Total/NA	Solid	EPA 9014	377507
HLCS 180-377507/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377507
LCS 180-377507/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377507
LLCS 180-377507/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377507

Analysis Batch: 377958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129110-3	SSHS-IRM5A2-A1-A29C	Total/NA	Solid	EPA 7196A	377500
180-129110-6	SSHS-IRM5A2-A1-A30C	Total/NA	Solid	EPA 7196A	377500
180-129110-9	SSHS-IRM5A2-A1-A31C	Total/NA	Solid	EPA 7196A	377500
180-129110-12	SSHS-IRM5A2-A1-A32C	Total/NA	Solid	EPA 7196A	377500
180-129110-15	SSHS-IRM5A2-A1-A33C	Total/NA	Solid	EPA 7196A	377500
180-129110-18	SSHS-IRM5A2-A1-A34C	Total/NA	Solid	EPA 7196A	377500
180-129110-21	SSHS-IRM5A2-A1-A35C	Total/NA	Solid	EPA 7196A	377500
180-129110-24	SSHS-IRM5A2-A1-DUP3C	Total/NA	Solid	EPA 7196A	377500
MB 180-377500/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377500
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A29A	10/27/21	1031	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A29B	10/27/21	1032	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A29C	10/27/21	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A30A	10/27/21	1051	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30B	10/27/21	1052	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30C	10/27/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A31A	10/27/21	1131	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31B	10/27/21	1132	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31C	10/27/21	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A32A	10/27/21	1251	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A32B	10/27/21	1252	G	S	N	N	X													4	

180-129110 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mon
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Justin Hobart	10-27-21 13:30			10/28/21 1000	EMT Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A32C	10/27/21	1250	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A33A	10/27/21	1321	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A33B	10/27/21	1322	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A33C	10/27/21	1320	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A34A	10/27/21	1336	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A34B	10/27/21	1337	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A34C	10/27/21	1335	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A35A	10/27/21	1401	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A35B	10/27/21	1402	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A35C	10/27/21	1400	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP3A	10/27/21	—	G	S	N	N	X													4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

11/9/2021

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Home	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-DUP3B	10/27/21	---	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-DUP3C	10/27/21	---	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-12 ID should be -A12C *	10/27/21	1430	C	S	N	N		X	X	X	X	X	X	X							No additional PFAS sample collected
SSHS-IRM5A2-A1-14 ID should be -A14C *	10/27/21	1450	C	S	N	N		X	X	X	X	X	X	X							No additional PFAS sample collected
SSHS-IRM5A2-A1-15 ID should be -A15C *	10/27/21	1440	C	S	N	N		X	X	X	X	X	X	X							No additional PFAS sample collected
SSHS-IRM5A2-A1-A27A *	10/27/21	1420	G	S	N	N	X														

* indicates sample is re-sample and is to be reported with original samples in lab login 180-128974. PFAS are being completed from original samples collected original samples had infiltration of melted ice-water into sample containers. D. Dunlap 10/28/21

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.27.21 17:30			10/28/21 1000	EST PIT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-129110 Chain of Custody

I - Ice; J - DI Water; K - EDTA; L - EDA; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A29A	10/27/21	1031	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A29B	10/27/21	1032	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A29C	10/27/21	1030	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A30A	10/27/21	1051	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A30B	10/27/21	1052	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A30C	10/27/21	1050	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A31A	10/27/21	1131	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A31B	10/27/21	1132	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A31C	10/27/21	1130	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A32A	10/27/21	1251	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A32B	10/27/21	1252	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Justin Hobart	Date/Time: 10.27.21 17:30	Company	Received by:	Date/Time: 10/28/21 10:50	Company EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 168799 | Cooler Temperature(s) °C and Other Remarks: 3.2

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A29A	10/27/21	1031	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A29B	10/27/21	1032	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A29C	10/27/21	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A30A	10/27/21	1051	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30B	10/27/21	1052	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A30C	10/27/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A31A	10/27/21	1131	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31B	10/27/21	1132	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A31C	10/27/21	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A32A	10/27/21	1251	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A32B	10/27/21	1252	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10-27-21 17:30			10/28/21 1030	EET-En
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No	Custody Seal No.: 1688799	Cooler Temperature(s) °C and Other Remarks: 3.2c

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day TAT			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-DUP3B	10/27/21	---	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-DUP3C	10/27/21	---	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-12	10/27/21	1430	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-14	10/27/21	1450	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-15	10/27/21	1440	C	S	N	N		X	X	X	X	X	X	X		No additional PFAS sample collected
SSHS-IRM5A2-A1-A27A	10/27/21	1420	G	S	N	N	X									

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Justin Hobart	10.27.21 17:30			10/28/21 1030	ETEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes △ No | Custody Seal No.: 1688199 | Cooler Temperature(s) °C and Other Remarks: 3-2

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-129110 Field Sheet

Job: _____

Tracking # : 7750 1247 7941

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-04 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 1666799

Cooler ID: _____

Temp Observed: 3.2 °C Corrected: 3.2 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DV Date: 10/28/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 10-28-21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 10-28-21

WR3-318



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP D
ACTWGT: 27OCT21
CAD: 2: 50.00 LB
DIMS: 3144956/INET4400
18x12 IN

BILL SE ER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600 REF: MN08321
INV: 01
PO: 17 DEPT: 1751

FedEx Ship Manager - Print Your Label(s)

FedEx

THU - 28 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7750 1247 7941

XH BLUA

95605
CA-US SMF

362 1 10:30 F 7941 10:28

FZ

10/25/21, 10:02 AM

Environment Testing
TestAmerica

1688799

Custody Seal

DATE

SIGNATURE

1688799

Environment Testing
TestAmerica

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129110-1

Login Number: 129110
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129207-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/9/2021 4:20:00 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129207-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129207-1

Receipt
The samples were received on 10/29/21 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3º C, 4.6º C, 5.2º C and 6.0º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) responses of Fluorobenzene, Chlorobenzene-d5, and 1,4-dichlorobenzene-d4 were below criteria for the following sample: SSHS-IRM5A2-A1-A36A (180-129207-1). The sample was re-analyzed and had the internal standard responses within criteria, but had the recovery of surrogates 4-Bromofluorobenzene and Toluene-d8 below the control limits. Results of both analyses were reported.

Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following sample: SSHS-IRM5A2-A1-A37B (180-129207-5). The second aqueous terracore could not be analyzed as it had cracked in the freezer. Analysis of the methanol preserved terracore would have resulted in non-detects for all analytes at elevated reporting limits and was therefore not analyzed.

Method 8260C: The internal standard (ISTD) responses of Fluorobenzene, Chlorobenzene-d5, and 1,4-dichlorobenzene-d4 were below criteria for the following sample: SSHS-IRM5A2-A1-A39A (180-129207-10). The sample was re-analyzed and had the internal standard responses within criteria, but had the recovery of surrogate 1,2-Dichloroethane-d4 above the control limits. Results of both analyses were reported.

Method 8260C: The internal standard (ISTD) responses of Fluorobenzene, Chlorobenzene-d5, and 1,4-dichlorobenzene-d4 were below criteria for the following sample: SSHS-IRM5A2-A1-A39B (180-129207-11). The second aqueous terracore could not be analyzed as it had cracked in the freezer. Analysis of the methanol preserved terracore would have resulted in non-detects for all analytes at elevated reporting limits and was therefore not analyzed.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 180-377560 recovered above the control limits for the following analyte: 2-Butanone. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A40B (180-129207-14) had several RPDs between the spikes outside of the control limits. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377560 was below criteria for the following analyte: 1,4-Dioxane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-377560 was above criteria for the following analyte: 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted due to the nature of the sample matrix: SSHS-IRM5A2-A1-A37C (180-129207-6) and SSHS-IRM5A2-A1-A38C (180-129207-9). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A40C (180-129207-15) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-129207-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

GC Semi VOA
Method 8082A: The continuing calibration verifications (CCV) analyzed in batch 180-377795 (CCVIS 180-377795/5 and CCVIS 180-377795/26) was below criteria for aroclor 1260 for 1 peak on column RTX-CLP1 and 3 peaks on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A40C (180-129207-15) had the recoveries of selenium and/or zinc below the control limits. The RPD between the spikes was also above the control limits for manganese. The recoveries of the laboratory control sample were within the control limits.

Method 7471B: The matrix spike (MS) of sample SSHS-IRM5A2-A1-A40C (180-129207-15) had the recovery of mercury above the control limits. The RPD between the spikes and the recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129207-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129207-1	SSHS-IRM5A2-A1-A36A	Solid	10/28/21 10:46	10/29/21 10:00
180-129207-2	SSHS-IRM5A2-A1-A36B	Solid	10/28/21 10:47	10/29/21 10:00
180-129207-3	SSHS-IRM5A2-A1-A36C	Solid	10/28/21 10:45	10/29/21 10:00
180-129207-4	SSHS-IRM5A2-A1-A37A	Solid	10/28/21 11:01	10/29/21 10:00
180-129207-5	SSHS-IRM5A2-A1-A37B	Solid	10/28/21 11:02	10/29/21 10:00
180-129207-6	SSHS-IRM5A2-A1-A37C	Solid	10/28/21 11:00	10/29/21 10:00
180-129207-7	SSHS-IRM5A2-A1-A38A	Solid	10/28/21 11:16	10/29/21 10:00
180-129207-8	SSHS-IRM5A2-A1-A38B	Solid	10/28/21 11:17	10/29/21 10:00
180-129207-9	SSHS-IRM5A2-A1-A38C	Solid	10/28/21 11:15	10/29/21 10:00
180-129207-10	SSHS-IRM5A2-A1-A39A	Solid	10/28/21 12:51	10/29/21 10:00
180-129207-11	SSHS-IRM5A2-A1-A39B	Solid	10/28/21 12:52	10/29/21 10:00
180-129207-12	SSHS-IRM5A2-A1-A39C	Solid	10/28/21 12:50	10/29/21 10:00
180-129207-13	SSHS-IRM5A2-A1-A40A	Solid	10/28/21 13:31	10/29/21 10:00
180-129207-14	SSHS-IRM5A2-A1-A40B	Solid	10/28/21 13:32	10/29/21 10:00
180-129207-15	SSHS-IRM5A2-A1-A40C	Solid	10/28/21 13:30	10/29/21 10:00
180-129207-16	SSHS-IRM5A2-A1-DUP4A	Solid	10/28/21 00:00	10/29/21 10:00
180-129207-17	SSHS-IRM5A2-A1-DUP4B	Solid	10/28/21 00:00	10/29/21 10:00
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Solid	10/28/21 00:00	10/29/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129207-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A36A — Lab Sample ID: 180-129207-1

Date Collected: 10/28/21 10:46 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A36A — Lab Sample ID: 180-129207-1

Date Collected: 10/28/21 10:46 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			0.5219 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 15:14	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		3.4209 g	5 mL	377656	11/04/21 07:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	377560	11/04/21 14:17	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A36B — Lab Sample ID: 180-129207-2

Date Collected: 10/28/21 10:47 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A36B — Lab Sample ID: 180-129207-2

Date Collected: 10/28/21 10:47 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 86.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.5325 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 15:39	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A36C — Lab Sample ID: 180-129207-3

Date Collected: 10/28/21 10:45 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-A36C

Lab Sample ID: 180-129207-3
Date Collected: 10/28/21 10:45
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	377406	11/02/21 21:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377466	11/03/21 21:43	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	377271	11/04/21 09:10	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377825	11/05/21 11:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377826	11/05/21 11:25	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377795	11/05/21 20:35	DFE	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.04 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 12:59	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.04 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 10:21	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.63 g	100 mL	377691	11/04/21 15:12	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377840	11/05/21 11:39	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:34	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:35	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A37A

Lab Sample ID: 180-129207-4
Date Collected: 10/28/21 11:01
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A37A

Lab Sample ID: 180-129207-4
Date Collected: 10/28/21 11:01
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.3169 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 16:05	C1K	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129207-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A37B — Lab Sample ID: 180-129207-5

Date Collected: 10/28/21 11:02 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A37B — Lab Sample ID: 180-129207-5

Date Collected: 10/28/21 11:02 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 85.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7613 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 16:30	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A37C — Lab Sample ID: 180-129207-6

Date Collected: 10/28/21 11:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A37C — Lab Sample ID: 180-129207-6

Date Collected: 10/28/21 11:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 84.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	377406	11/02/21 21:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	377466	11/03/21 22:05	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	377271	11/04/21 09:10	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377825	11/05/21 11:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377826	11/05/21 11:25	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377795	11/05/21 20:54	DFE	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.03 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 13:03	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.03 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 10:26	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.73 g	100 mL	377691	11/04/21 15:12	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377840	11/05/21 11:40	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.50 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:35	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-A37C
Lab Sample ID: 180-129207-6
Date Collected: 10/28/21 11:00
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9010C			0.23 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:37	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A38A
Lab Sample ID: 180-129207-7
Date Collected: 10/28/21 11:16
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A38A
Lab Sample ID: 180-129207-7
Date Collected: 10/28/21 11:16
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.0214 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 16:55	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A38B
Lab Sample ID: 180-129207-8
Date Collected: 10/28/21 11:17
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A38B
Lab Sample ID: 180-129207-8
Date Collected: 10/28/21 11:17
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3635 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 17:21	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A38C
Lab Sample ID: 180-129207-9
Date Collected: 10/28/21 11:15
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-A38C

Lab Sample ID: 180-129207-9
Date Collected: 10/28/21 11:15
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	377406	11/03/21 04:18	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	377413	11/03/21 15:53	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	377271	11/04/21 09:10	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377825	11/05/21 11:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377826	11/05/21 11:25	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377795	11/05/21 21:13	DFE	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.26 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 13:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.26 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 10:30	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	377691	11/04/21 15:12	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377840	11/05/21 11:41	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.45 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:38	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:38	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A39A

Lab Sample ID: 180-129207-10
Date Collected: 10/28/21 12:51
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A39A

Lab Sample ID: 180-129207-10
Date Collected: 10/28/21 12:51
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.1066 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 17:46	C1K	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	5035	RA		5.1809 g	5 mL	377656	11/04/21 07:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	377560	11/04/21 15:08	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A39B
Lab Sample ID: 180-129207-11
Date Collected: 10/28/21 12:52
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A39B
Lab Sample ID: 180-129207-11
Date Collected: 10/28/21 12:52
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7819 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377286	11/02/21 18:11	C1K	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A39C
Lab Sample ID: 180-129207-12
Date Collected: 10/28/21 12:50
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A39C
Lab Sample ID: 180-129207-12
Date Collected: 10/28/21 12:50
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377406	11/02/21 21:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377466	11/03/21 22:27	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	377271	11/04/21 09:10	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377825	11/05/21 11:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377826	11/05/21 11:25	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377795	11/05/21 21:31	DFE	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.23 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 13:13	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.23 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 10:35	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	377691	11/04/21 15:12	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377840	11/05/21 11:42	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:39	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129207-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A39C — Lab Sample ID: 180-129207-12

Date Collected: 10/28/21 12:50 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 84.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9010C			0.25 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:40	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A40A — Lab Sample ID: 180-129207-13

Date Collected: 10/28/21 13:31 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A40A — Lab Sample ID: 180-129207-13

Date Collected: 10/28/21 13:31 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 83.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.6825 g	5 mL	377656	11/04/21 07:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377560	11/04/21 15:33	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A40B — Lab Sample ID: 180-129207-14

Date Collected: 10/28/21 13:32 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A40B — Lab Sample ID: 180-129207-14

Date Collected: 10/28/21 13:32 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8289 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377560	11/04/21 15:58	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-A40C — Lab Sample ID: 180-129207-15

Date Collected: 10/28/21 13:30 — **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-A40C

Lab Sample ID: 180-129207-15
Date Collected: 10/28/21 13:30
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377406	11/02/21 21:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377466	11/03/21 20:36	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377270	11/04/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377788	11/05/21 10:12	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377789	11/05/21 10:13	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377795	11/05/21 13:38	DFE	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.20 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 13:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.20 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 10:40	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	377691	11/04/21 15:12	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377840	11/05/21 11:43	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.50 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:29	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:42	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-DUP4A

Lab Sample ID: 180-129207-16
Date Collected: 10/28/21 00:00
Matrix: Solid
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP4A

Lab Sample ID: 180-129207-16
Date Collected: 10/28/21 00:00
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.1263 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377560	11/04/21 16:24	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-DUP4B — Lab Sample ID: 180-129207-17

Date Collected: 10/28/21 00:00 **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP4B — Lab Sample ID: 180-129207-17

Date Collected: 10/28/21 00:00 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			0.3138 g	5 mL	377282	11/02/21 06:53	J1T	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	377560	11/04/21 18:05	SW1	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A1-DUP4C — Lab Sample ID: 180-129207-18

Date Collected: 10/28/21 00:00 **Matrix: Solid**
Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377391	11/02/21 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP4C — Lab Sample ID: 180-129207-18

Date Collected: 10/28/21 00:00 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377406	11/02/21 21:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377413	11/03/21 15:31	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	377271	11/04/21 09:10	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377825	11/05/21 11:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377826	11/05/21 11:25	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377795	11/05/21 21:50	DFE	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.20 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377719	11/04/21 13:48	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.20 g	100 mL	377244	11/03/21 10:22	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			377996	11/05/21 11:07	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.75 g	100 mL	377691	11/04/21 15:12	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			377840	11/05/21 11:46	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:40	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-DUP4C

Date Collected: 10/28/21 00:00
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-18

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9010C			0.21 g	10 mL	377507	11/03/21 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			377704	11/04/21 15:50	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

CBY = Charles Yushinski
CMR = Carl Reagle
CSC = Chayce Cockroft
CTM = Connor Mitsch
J1T = Jianwu Tang
KEM = Kimberly Mahoney
PJJ = Patrick Journet
PMH = Paloma Hoelzle
RJR = Ron Rosenbaum

Batch Type: Analysis

C1K = Chamaiporn Krisorn
CMR = Carl Reagle
DFE = David Eppinger
HEK = Hope Kiesling
PMH = Paloma Hoelzle
RJG = Rob Good
RJR = Ron Rosenbaum
SW1 = Sunan Wang-un
VVP = Vincent Piccolino

Client: Geosyntec Consultants, Inc.
Job ID: 180-129207-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A36A
Lab Sample ID: 180-129207-1
Date Collected: 10/28/21 10:46
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.079**	**J *3**	0.22	0.043	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Benzene	ND	*3	0.055	0.016	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
2-Butanone (MEK)	ND	*3	0.055	0.028	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Carbon tetrachloride	ND	*3	0.055	0.022	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Chlorobenzene	ND	*3	0.055	0.014	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Chloroform	ND	*3	0.055	0.018	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
cis-1,2-Dichloroethene	ND	*3	0.055	0.017	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,2-Dichlorobenzene	ND	*3	0.055	0.019	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,3-Dichlorobenzene	ND	*3	0.055	0.034	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,4-Dichlorobenzene	ND	*3	0.055	0.017	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,1-Dichloroethane	ND	*3	0.055	0.018	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,2-Dichloroethane	ND	*3	0.055	0.016	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,1-Dichloroethene	ND	*3	0.055	0.025	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,4-Dioxane	ND	*3	11	0.39	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Ethylbenzene	ND	*3	0.055	0.020	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Methylene Chloride	ND	*3	0.055	0.050	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Methyl tert-butyl ether	ND	*3	0.055	0.016	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
n-Butylbenzene	ND	*3	0.055	0.027	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
N-Propylbenzene	ND	*3	0.055	0.020	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
sec-Butylbenzene	ND	*3	0.055	0.027	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
tert-Butylbenzene	ND	*3	0.055	0.023	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Tetrachloroethene	ND	*3	0.055	0.022	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Toluene	ND	*3	0.055	0.016	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
trans-1,2-Dichloroethene	ND	*3	0.055	0.019	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,1,1-Trichloroethane	ND	*3	0.055	0.018	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Trichloroethene	ND	*3	0.055	0.017	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,2,4-Trimethylbenzene	ND	*3	0.055	0.019	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
1,3,5-Trimethylbenzene	ND	*3	0.055	0.020	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Vinyl chloride	ND	*3	0.055	0.040	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1
Xylenes, Total	ND	*3	0.11	0.079	mg/Kg	☼	11/02/21 06:53	11/02/21 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*	*3*	*60 - 124*	*11/02/21 06:53*	*11/02/21 15:14*	*1*
Dibromofluoromethane (Surr)	*86*	*3*	*69 - 126*	*11/02/21 06:53*	*11/02/21 15:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*	*3*	*73 - 135*	*11/02/21 06:53*	*11/02/21 15:14*	*1*
Toluene-d8 (Surr)	*120*	*3*	*67 - 134*	*11/02/21 06:53*	*11/02/21 15:14*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.034	0.0066	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Benzene	ND		0.0084	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
2-Butanone (MEK)	ND	*+	0.0084	0.0043	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Carbon tetrachloride	ND		0.0084	0.0034	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Chlorobenzene	ND		0.0084	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Chloroform	ND		0.0084	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
cis-1,2-Dichloroethene	ND		0.0084	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,2-Dichlorobenzene	ND		0.0084	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,3-Dichlorobenzene	ND		0.0084	0.0052	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,4-Dichlorobenzene	ND		0.0084	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,1-Dichloroethane	ND		0.0084	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1

Client Sample ID: SSHS-IRM5A2-A1-A36A
Lab Sample ID: 180-129207-1

Date Collected: 10/28/21 10:46
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0084	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,1-Dichloroethene	ND		0.0084	0.0038	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,4-Dioxane	ND		1.7	0.060	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Ethylbenzene	ND		0.0084	0.0031	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Methylene Chloride	ND		0.0084	0.0076	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Methyl tert-butyl ether	ND		0.0084	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
n-Butylbenzene	ND		0.0084	0.0042	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
N-Propylbenzene	ND		0.0084	0.0030	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
sec-Butylbenzene	ND		0.0084	0.0041	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
tert-Butylbenzene	ND		0.0084	0.0035	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Tetrachloroethene	ND		0.0084	0.0034	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Toluene	ND		0.0084	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
trans-1,2-Dichloroethene	ND		0.0084	0.0029	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,1,1-Trichloroethane	ND		0.0084	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Trichloroethene	ND		0.0084	0.0026	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,2,4-Trimethylbenzene	ND		0.0084	0.0029	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
1,3,5-Trimethylbenzene	ND		0.0084	0.0031	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Vinyl chloride	ND		0.0084	0.0061	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1
Xylenes, Total	ND		0.017	0.012	mg/Kg	☼	11/04/21 07:42	11/04/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*58*	*S1-*	*60 - 124*	*11/04/21 07:42*	*11/04/21 14:17*	*1*
Dibromofluoromethane (Surr)	*71*		*69 - 126*	*11/04/21 07:42*	*11/04/21 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*11/04/21 07:42*	*11/04/21 14:17*	*1*
Toluene-d8 (Surr)	*56*	*S1-*	*67 - 134*	*11/04/21 07:42*	*11/04/21 14:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.1**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**86.9**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A36B
Lab Sample ID: 180-129207-2

Date Collected: 10/28/21 10:47
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.0

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0050	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Benzene	ND		0.0064	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
2-Butanone (MEK)	ND		0.0064	0.0033	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Carbon tetrachloride	ND		0.0064	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Chlorobenzene	ND		0.0064	0.0017	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Chloroform	ND		0.0064	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
cis-1,2-Dichloroethene	ND		0.0064	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,2-Dichlorobenzene	ND		0.0064	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,3-Dichlorobenzene	ND		0.0064	0.0039	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,4-Dichlorobenzene	ND		0.0064	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,1-Dichloroethane	ND		0.0064	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,2-Dichloroethane	ND		0.0064	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,1-Dichloroethene	ND		0.0064	0.0029	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1

Client Sample ID: SSHS-IRM5A2-A1-A36B
Lab Sample ID: 180-129207-2
Date Collected: 10/28/21 10:47 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 86.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.3	0.045	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Ethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Methylene Chloride	ND		0.0064	0.0058	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Methyl tert-butyl ether	ND		0.0064	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
n-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
N-Propylbenzene	ND		0.0064	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
sec-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
tert-Butylbenzene	ND		0.0064	0.0027	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Tetrachloroethene	ND		0.0064	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Toluene	ND		0.0064	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
trans-1,2-Dichloroethene	ND		0.0064	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,1,1-Trichloroethane	ND		0.0064	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Trichloroethene	ND		0.0064	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Vinyl chloride	ND		0.0064	0.0046	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1
Xylenes, Total	ND		0.013	0.0092	mg/Kg	☼	11/02/21 06:53	11/02/21 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*60 - 124*	*11/02/21 06:53*	*11/02/21 15:39*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*11/02/21 06:53*	*11/02/21 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*11/02/21 06:53*	*11/02/21 15:39*	*1*
Toluene-d8 (Surr)	*70*		*67 - 134*	*11/02/21 06:53*	*11/02/21 15:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.0**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**86.0**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A36C
Lab Sample ID: 180-129207-3
Date Collected: 10/28/21 10:45 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 86.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.020**		0.0076	0.0022	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Acenaphthylene	**0.044**		0.0076	0.0016	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Anthracene	**0.10**		0.0076	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Benzo[a]anthracene	**0.21**		0.0076	0.0034	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Benzo[a]pyrene	**0.15**		0.0076	0.0033	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Benzo[b]fluoranthene	**0.20**		0.0076	0.0019	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Benzo[g,h,i]perylene	**0.15**		0.0076	0.0016	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Benzo[k]fluoranthene	**0.065**		0.0076	0.0023	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Chrysene	**0.18**		0.0076	0.0042	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Dibenz(a,h)anthracene	**0.042**		0.0076	0.0048	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Dibenzofuran	**0.028**	**J**	0.037	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Fluoranthene	**0.41**		0.0076	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Fluorene	**0.032**		0.0076	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1

Client Sample ID: SSHS-IRM5A2-A1-A36C

Date Collected: 10/28/21 10:45
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-3

Matrix: Solid
Percent Solids: 86.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.0076	0.0038	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Methylphenol, 3 & 4	**0.017**	**J**	0.037	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Naphthalene	**0.084**		0.0076	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Phenanthrene	**0.36**		0.0076	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Pyrene	**0.34**		0.0076	0.0018	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
Pyridine	ND		0.076	0.020	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1
2,4,6-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*11/02/21 21:47*	*11/03/21 21:43*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*11/02/21 21:47*	*11/03/21 21:43*	*1*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*	*11/02/21 21:47*	*11/03/21 21:43*	*1*
Phenol-d5 (Surr)	*62*		*34 - 105*	*11/02/21 21:47*	*11/03/21 21:43*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*11/02/21 21:47*	*11/03/21 21:43*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*	*11/02/21 21:47*	*11/03/21 21:43*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1248	**0.076**		0.019	0.0046	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1254	**0.030**		0.019	0.0057	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/04/21 09:10	11/05/21 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*11/04/21 09:10*	*11/05/21 20:35*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*11/04/21 09:10*	*11/05/21 20:35*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/04/21 09:10*	*11/05/21 20:35*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*11/04/21 09:10*	*11/05/21 20:35*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		1.1	0.43	mg/Kg	☼	11/03/21 10:22	11/05/21 10:21	1
Barium	**100**		22	1.2	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Beryllium	**0.39**	**J**	0.44	0.025	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Cadmium	**0.063**	**J**	0.55	0.040	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Chromium	**8.7**		0.55	0.46	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Copper	**27**		2.8	2.5	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1

Client Sample ID: SSHS-IRM5A2-A1-A36C
Lab Sample ID: 180-129207-3
Date Collected: 10/28/21 10:45 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 86.8**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	37		1.1	0.57	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Manganese	530		1.7	0.45	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Nickel	11		4.4	0.28	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Selenium	0.81	J	1.1	0.57	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Silver	ND		0.55	0.12	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1
Zinc	47		2.2	1.8	mg/Kg	☼	11/03/21 10:22	11/04/21 12:59	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085		0.036	0.023	mg/Kg	☼	11/04/21 15:12	11/05/21 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.2		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	86.8		0.1	0.1	%			11/02/21 15:08	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:34	1
Cyanide, Total	0.33	J	0.44	0.24	mg/Kg	☼	11/03/21 16:45	11/04/21 15:35	1

Client Sample ID: SSHS-IRM5A2-A1-A37A
Lab Sample ID: 180-129207-4
Date Collected: 10/28/21 11:01 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 84.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.027	0.0053	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Benzene	ND		0.0068	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
2-Butanone (MEK)	ND		0.0068	0.0035	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Carbon tetrachloride	ND		0.0068	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Chlorobenzene	ND		0.0068	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Chloroform	ND		0.0068	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
cis-1,2-Dichloroethene	ND		0.0068	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,2-Dichlorobenzene	ND		0.0068	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,3-Dichlorobenzene	ND		0.0068	0.0042	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,4-Dichlorobenzene	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,1-Dichloroethane	ND		0.0068	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,2-Dichloroethane	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,1-Dichloroethene	ND		0.0068	0.0031	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,4-Dioxane	ND		1.4	0.048	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Ethylbenzene	ND		0.0068	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Methylene Chloride	ND		0.0068	0.0062	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Methyl tert-butyl ether	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
n-Butylbenzene	ND		0.0068	0.0034	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
N-Propylbenzene	ND		0.0068	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
sec-Butylbenzene	ND		0.0068	0.0034	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
tert-Butylbenzene	ND		0.0068	0.0029	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Tetrachloroethene	ND		0.0068	0.0027	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Toluene	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
trans-1,2-Dichloroethene	ND		0.0068	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,1,1-Trichloroethane	ND		0.0068	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Trichloroethene	ND		0.0068	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-A37A

Lab Sample ID: 180-129207-4
Date Collected: 10/28/21 11:01
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 84.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0068	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
1,3,5-Trimethylbenzene	ND		0.0068	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Vinyl chloride	ND		0.0068	0.0049	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1
Xylenes, Total	ND		0.014	0.0098	mg/Kg	☼	11/02/21 06:53	11/02/21 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*11/02/21 06:53*	*11/02/21 16:05*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*11/02/21 06:53*	*11/02/21 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*11/02/21 06:53*	*11/02/21 16:05*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*11/02/21 06:53*	*11/02/21 16:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.1**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**84.9**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A37B

Lab Sample ID: 180-129207-5
Date Collected: 10/28/21 11:02
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 85.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.0048	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Benzene	ND		0.0061	0.0017	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
2-Butanone (MEK)	ND		0.0061	0.0031	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Carbon tetrachloride	ND		0.0061	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Chlorobenzene	ND		0.0061	0.0016	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Chloroform	ND		0.0061	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
cis-1,2-Dichloroethene	ND		0.0061	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,2-Dichlorobenzene	ND	*3	0.0061	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,3-Dichlorobenzene	ND	*3	0.0061	0.0038	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,4-Dichlorobenzene	ND	*3	0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,1-Dichloroethane	ND		0.0061	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,2-Dichloroethane	ND		0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,1-Dichloroethene	ND		0.0061	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,4-Dioxane	ND		1.2	0.043	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Ethylbenzene	ND		0.0061	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Methylene Chloride	ND		0.0061	0.0055	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Methyl tert-butyl ether	ND		0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
n-Butylbenzene	ND	*3	0.0061	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
N-Propylbenzene	ND	*3	0.0061	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
sec-Butylbenzene	ND	*3	0.0061	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
tert-Butylbenzene	ND	*3	0.0061	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Tetrachloroethene	ND		0.0061	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Toluene	ND		0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
trans-1,2-Dichloroethene	ND		0.0061	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,1,1-Trichloroethane	ND		0.0061	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Trichloroethene	ND		0.0061	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,2,4-Trimethylbenzene	ND	*3	0.0061	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
1,3,5-Trimethylbenzene	ND	*3	0.0061	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1

Client Sample ID: SSHS-IRM5A2-A1-A37B — Lab Sample ID: 180-129207-5

Date Collected: 10/28/21 11:02 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 85.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0061	0.0044	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1
Xylenes, Total	ND		0.012	0.0088	mg/Kg	☼	11/02/21 06:53	11/02/21 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*11/02/21 06:53*	*11/02/21 16:30*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*11/02/21 06:53*	*11/02/21 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*11/02/21 06:53*	*11/02/21 16:30*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*11/02/21 06:53*	*11/02/21 16:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.4**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**85.6**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A37C — Lab Sample ID: 180-129207-6

Date Collected: 10/28/21 11:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 84.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.023**		0.016	0.0044	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Acenaphthylene	**0.17**		0.016	0.0034	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Anthracene	**0.20**		0.016	0.0040	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Benzo[a]anthracene	**0.38**		0.016	0.0070	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Benzo[a]pyrene	**0.34**		0.016	0.0067	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Benzo[b]fluoranthene	**0.47**		0.016	0.0038	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Benzo[g,h,i]perylene	**0.49**		0.016	0.0033	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Benzo[k]fluoranthene	**0.15**		0.016	0.0046	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Chrysene	**0.40**		0.016	0.0086	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Dibenz(a,h)anthracene	**0.12**		0.016	0.0099	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Dibenzofuran	**0.037**	**J**	0.076	0.028	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
2,4-Dinitrotoluene	ND		0.076	0.046	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
1,4-Dioxane	ND		0.15	0.024	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Fluoranthene	**0.50**		0.016	0.0041	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Fluorene	**0.029**		0.016	0.0030	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Hexachlorobenzene	ND		0.016	0.0055	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Hexachlorobutadiene	ND		0.016	0.0045	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Hexachloroethane	ND		0.076	0.027	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Indeno[1,2,3-cd]pyrene	**0.42**		0.016	0.0077	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
2-Methylphenol	ND		0.076	0.022	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Methylphenol, 3 & 4	ND		0.076	0.023	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Naphthalene	**0.18**		0.016	0.0030	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Nitrobenzene	ND		0.15	0.028	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Pentachlorophenol	ND		0.39	0.12	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Phenanthrene	**0.27**		0.016	0.0041	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Phenol	ND		0.076	0.023	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Pyrene	**0.54**		0.016	0.0037	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
Pyridine	ND		0.16	0.042	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
2,4,5-Trichlorophenol	ND		0.076	0.027	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2
2,4,6-Trichlorophenol	ND		0.076	0.026	mg/Kg	☼	11/02/21 21:47	11/03/21 22:05	2

Client Sample ID: SSHS-IRM5A2-A1-A37C

Date Collected: 10/28/21 11:00
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-6

Matrix: Solid
Percent Solids: 84.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		35 - 105	11/02/21 21:47	11/03/21 22:05	2
2-Fluorophenol (Surr)	74		32 - 105	11/02/21 21:47	11/03/21 22:05	2
Nitrobenzene-d5 (Surr)	81		34 - 109	11/02/21 21:47	11/03/21 22:05	2
Phenol-d5 (Surr)	72		34 - 105	11/02/21 21:47	11/03/21 22:05	2
Terphenyl-d14 (Surr)	76		20 - 117	11/02/21 21:47	11/03/21 22:05	2
2,4,6-Tribromophenol (Surr)	71		20 - 119	11/02/21 21:47	11/03/21 22:05	2

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1248	**0.17**		0.020	0.0047	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1254	**0.10**		0.020	0.0059	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1260	**0.040**		0.020	0.0056	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	11/04/21 09:10	11/05/21 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		63 - 138	11/04/21 09:10	11/05/21 20:54	1
DCB Decachlorobiphenyl (Surr)	94		63 - 138	11/04/21 09:10	11/05/21 20:54	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	11/04/21 09:10	11/05/21 20:54	1
Tetrachloro-m-xylene (Surr)	100		55 - 135	11/04/21 09:10	11/05/21 20:54	1

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.5**		1.1	0.45	mg/Kg	☼	11/03/21 10:22	11/05/21 10:26	1
Barium	**93**		23	1.2	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Beryllium	**0.40**	**J**	0.46	0.026	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Cadmium	**0.094**	**J**	0.57	0.042	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Chromium	**9.5**		0.57	0.47	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Copper	**24**		2.9	2.6	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Lead	**47**		1.1	0.59	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Manganese	**360**		1.7	0.47	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Nickel	**14**		4.6	0.28	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Selenium	**0.88**	**J**	1.1	0.59	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Silver	ND		0.57	0.12	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1
Zinc	**57**		2.3	1.8	mg/Kg	☼	11/03/21 10:22	11/04/21 13:03	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.080**		0.032	0.021	mg/Kg	☼	11/04/21 15:12	11/05/21 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.4**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**84.6**		0.1	0.1	%			11/02/21 15:08	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:35	1
Cyanide, Total	**0.45**	**J**	0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 15:37	1

Client Sample ID: SSHS-IRM5A2-A1-A38A

Lab Sample ID: 180-129207-7

Date Collected: 10/28/21 11:16
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 88.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.028	0.0055	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Benzene	ND		0.0070	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
2-Butanone (MEK)	ND		0.0070	0.0036	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Carbon tetrachloride	ND		0.0070	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Chlorobenzene	ND		0.0070	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Chloroform	ND		0.0070	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
cis-1,2-Dichloroethene	ND		0.0070	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,2-Dichlorobenzene	ND		0.0070	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,3-Dichlorobenzene	ND		0.0070	0.0043	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,4-Dichlorobenzene	ND		0.0070	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,1-Dichloroethane	ND		0.0070	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,2-Dichloroethane	ND		0.0070	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,1-Dichloroethene	ND		0.0070	0.0032	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,4-Dioxane	ND		1.4	0.050	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Ethylbenzene	ND		0.0070	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Methylene Chloride	ND		0.0070	0.0063	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Methyl tert-butyl ether	ND		0.0070	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
n-Butylbenzene	ND		0.0070	0.0035	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
N-Propylbenzene	ND		0.0070	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
sec-Butylbenzene	ND		0.0070	0.0034	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
tert-Butylbenzene	ND		0.0070	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Tetrachloroethene	ND		0.0070	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Toluene	ND		0.0070	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
trans-1,2-Dichloroethene	ND		0.0070	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,1,1-Trichloroethane	ND		0.0070	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Trichloroethene	ND		0.0070	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,2,4-Trimethylbenzene	ND		0.0070	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
1,3,5-Trimethylbenzene	ND		0.0070	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Vinyl chloride	ND		0.0070	0.0050	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1
Xylenes, Total	ND		0.014	0.010	mg/Kg	☼	11/02/21 06:53	11/02/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*11/02/21 06:53*	*11/02/21 16:55*	*1*
Dibromofluoromethane (Surr)	*79*		*69 - 126*	*11/02/21 06:53*	*11/02/21 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*	*11/02/21 06:53*	*11/02/21 16:55*	*1*
Toluene-d8 (Surr)	*67*		*67 - 134*	*11/02/21 06:53*	*11/02/21 16:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.2**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**88.8**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A38B

Lab Sample ID: 180-129207-8

Date Collected: 10/28/21 11:17
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 88.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1

Client Sample ID: SSHS-IRM5A2-A1-A38B
Lab Sample ID: 180-129207-8
Date Collected: 10/28/21 11:17 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 88.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	11/02/21 06:53	11/02/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*11/02/21 06:53*	*11/02/21 17:21*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*11/02/21 06:53*	*11/02/21 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*11/02/21 06:53*	*11/02/21 17:21*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*11/02/21 06:53*	*11/02/21 17:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**88.2**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A38C
Lab Sample ID: 180-129207-9
Date Collected: 10/28/21 11:15 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 85.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.063**		0.016	0.0045	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Acenaphthylene	**0.064**		0.016	0.0034	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Anthracene	**0.21**		0.016	0.0041	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Benzo[a]anthracene	**0.52**		0.016	0.0071	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2

Client Sample ID: SSHS-IRM5A2-A1-A38C
Date Collected: 10/28/21 11:15
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-9
Matrix: Solid
Percent Solids: 85.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.43**		0.016	0.0068	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Benzo[b]fluoranthene	**0.51**		0.016	0.0038	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Benzo[g,h,i]perylene	**0.43**		0.016	0.0034	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Benzo[k]fluoranthene	**0.18**		0.016	0.0047	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Chrysene	**0.47**		0.016	0.0087	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Dibenz(a,h)anthracene	**0.096**		0.016	0.010	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Dibenzofuran	**0.041**	**J**	0.077	0.029	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
2,4-Dinitrotoluene	ND		0.077	0.047	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
1,4-Dioxane	ND		0.16	0.024	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Fluoranthene	**1.1**		0.016	0.0041	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Fluorene	**0.059**		0.016	0.0031	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Hexachlorobenzene	ND		0.016	0.0056	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Hexachlorobutadiene	ND		0.016	0.0046	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Hexachloroethane	ND		0.077	0.028	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Indeno[1,2,3-cd]pyrene	**0.35**		0.016	0.0078	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
2-Methylphenol	ND		0.077	0.022	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Methylphenol, 3 & 4	ND		0.077	0.023	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Naphthalene	**0.070**		0.016	0.0030	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Nitrobenzene	ND		0.16	0.029	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Pentachlorophenol	ND		0.40	0.13	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Phenanthrene	**0.78**		0.016	0.0042	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Phenol	ND		0.077	0.024	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Pyrene	**1.1**		0.016	0.0037	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
Pyridine	ND		0.16	0.042	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
2,4,5-Trichlorophenol	ND		0.077	0.027	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2
2,4,6-Trichlorophenol	ND		0.077	0.026	mg/Kg	☼	11/03/21 04:18	11/03/21 15:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*11/03/21 04:18*	*11/03/21 15:53*	*2*
2-Fluorophenol (Surr)	*87*		*32 - 105*	*11/03/21 04:18*	*11/03/21 15:53*	*2*
Nitrobenzene-d5 (Surr)	*86*		*34 - 109*	*11/03/21 04:18*	*11/03/21 15:53*	*2*
Phenol-d5 (Surr)	*84*		*34 - 105*	*11/03/21 04:18*	*11/03/21 15:53*	*2*
Terphenyl-d14 (Surr)	*88*		*20 - 117*	*11/03/21 04:18*	*11/03/21 15:53*	*2*
2,4,6-Tribromophenol (Surr)	*90*		*20 - 119*	*11/03/21 04:18*	*11/03/21 15:53*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1248	**0.73**		0.019	0.0046	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1254	**0.34**		0.019	0.0058	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1260	**0.11**		0.019	0.0055	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/04/21 09:10	11/05/21 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*11/04/21 09:10*	*11/05/21 21:13*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/04/21 09:10*	*11/05/21 21:13*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A38C

Lab Sample ID: 180-129207-9

Date Collected: 10/28/21 11:15
Date Received: 10/29/21 10:00

Matrix: Solid
Percent Solids: 85.4

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*11/04/21 09:10*	*11/05/21 21:13*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*11/04/21 09:10*	*11/05/21 21:13*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.1**		0.93	0.36	mg/Kg	☼	11/03/21 10:22	11/05/21 10:30	1
Barium	**56**		19	1.0	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Beryllium	**0.28**	**J**	0.37	0.021	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Cadmium	**0.042**	**J**	0.46	0.034	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Chromium	**8.1**		0.46	0.38	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Copper	**15**		2.3	2.1	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Lead	**15**		0.93	0.48	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Manganese	**220**		1.4	0.38	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Nickel	**12**		3.7	0.23	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Selenium	ND		0.93	0.48	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Silver	ND		0.46	0.098	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1
Zinc	**42**		1.9	1.5	mg/Kg	☼	11/03/21 10:22	11/04/21 13:08	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**		0.033	0.021	mg/Kg	☼	11/04/21 15:12	11/05/21 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.6**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**85.4**		0.1	0.1	%			11/02/21 15:08	1
Hexavalent chromium	ND		0.48	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:38	1
Cyanide, Total	**0.29**	**J**	0.51	0.28	mg/Kg	☼	11/03/21 16:45	11/04/21 15:38	1

Client Sample ID: SSHS-IRM5A2-A1-A39A

Lab Sample ID: 180-129207-10

Date Collected: 10/28/21 12:51
Date Received: 10/29/21 10:00

Matrix: Solid
Percent Solids: 86.1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	0.037	0.0073	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Benzene	ND	*3	0.0093	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
2-Butanone (MEK)	ND	*3	0.0093	0.0047	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Carbon tetrachloride	ND	*3	0.0093	0.0038	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Chlorobenzene	ND	*3	0.0093	0.0024	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Chloroform	ND	*3	0.0093	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
cis-1,2-Dichloroethene	ND	*3	0.0093	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,2-Dichlorobenzene	ND	*3	0.0093	0.0031	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,3-Dichlorobenzene	ND	*3	0.0093	0.0058	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,4-Dichlorobenzene	ND	*3	0.0093	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,1-Dichloroethane	ND	*3	0.0093	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,2-Dichloroethane	ND	*3	0.0093	0.0027	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,1-Dichloroethene	ND	*3	0.0093	0.0042	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,4-Dioxane	ND	*3	1.9	0.066	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Ethylbenzene	ND	*3	0.0093	0.0035	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1

Client Sample ID: SSHS-IRM5A2-A1-A39A
Date Collected: 10/28/21 12:51
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-10
Matrix: Solid
Percent Solids: 86.1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	*3	0.0093	0.0084	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Methyl tert-butyl ether	ND	*3	0.0093	0.0027	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
n-Butylbenzene	ND	*3	0.0093	0.0046	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
N-Propylbenzene	ND	*3	0.0093	0.0033	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
sec-Butylbenzene	ND	*3	0.0093	0.0046	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
tert-Butylbenzene	ND	*3	0.0093	0.0039	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Tetrachloroethene	ND	*3	0.0093	0.0038	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Toluene	ND	*3	0.0093	0.0027	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
trans-1,2-Dichloroethene	ND	*3	0.0093	0.0033	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,1,1-Trichloroethane	ND	*3	0.0093	0.0031	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Trichloroethene	ND	*3	0.0093	0.0029	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,2,4-Trimethylbenzene	ND	*3	0.0093	0.0032	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
1,3,5-Trimethylbenzene	ND	*3	0.0093	0.0035	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Vinyl chloride	ND	*3	0.0093	0.0067	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1
Xylenes, Total	ND	*3	0.019	0.013	mg/Kg	☼	11/02/21 06:53	11/02/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*	*3	*60 - 124*	*11/02/21 06:53*	*11/02/21 17:46*	*1*
Dibromofluoromethane (Surr)	*116*	*3	*69 - 126*	*11/02/21 06:53*	*11/02/21 17:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*	*3	*73 - 135*	*11/02/21 06:53*	*11/02/21 17:46*	*1*
Toluene-d8 (Surr)	*103*	*3	*67 - 134*	*11/02/21 06:53*	*11/02/21 17:46*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
2-Butanone (MEK)	ND	*+	0.0056	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A39A

Lab Sample ID: 180-129207-10
Date Collected: 10/28/21 12:51
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	11/04/21 07:42	11/04/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*11/04/21 07:42*	*11/04/21 15:08*	*1*
Dibromofluoromethane (Surr)	*123*		*69 - 126*	*11/04/21 07:42*	*11/04/21 15:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*150*	*S1+*	*73 - 135*	*11/04/21 07:42*	*11/04/21 15:08*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*11/04/21 07:42*	*11/04/21 15:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.9**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**86.1**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A39B

Lab Sample ID: 180-129207-11
Date Collected: 10/28/21 12:52
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 85.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	0.025	0.0048	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Benzene	ND	*3	0.0061	0.0017	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
2-Butanone (MEK)	ND	*3	0.0061	0.0031	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Carbon tetrachloride	ND	*3	0.0061	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Chlorobenzene	ND	*3	0.0061	0.0016	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Chloroform	ND	*3	0.0061	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
cis-1,2-Dichloroethene	ND	*3	0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,2-Dichlorobenzene	ND	*3	0.0061	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,3-Dichlorobenzene	ND	*3	0.0061	0.0038	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,4-Dichlorobenzene	ND	*3	0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,1-Dichloroethane	ND	*3	0.0061	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,2-Dichloroethane	ND	*3	0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,1-Dichloroethene	ND	*3	0.0061	0.0028	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,4-Dioxane	ND	*3	1.2	0.043	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Ethylbenzene	ND	*3	0.0061	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Methylene Chloride	ND	*3	0.0061	0.0055	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Methyl tert-butyl ether	ND	*3	0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
n-Butylbenzene	ND	*3	0.0061	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
N-Propylbenzene	ND	*3	0.0061	0.0022	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
sec-Butylbenzene	ND	*3	0.0061	0.0030	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
tert-Butylbenzene	ND	*3	0.0061	0.0026	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Tetrachloroethene	ND	*3	0.0061	0.0025	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Toluene	ND	*3	0.0061	0.0018	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
trans-1,2-Dichloroethene	ND	*3	0.0061	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,1,1-Trichloroethane	ND	*3	0.0061	0.0020	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Trichloroethene	ND	*3	0.0061	0.0019	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,2,4-Trimethylbenzene	ND	*3	0.0061	0.0021	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
1,3,5-Trimethylbenzene	ND	*3	0.0061	0.0023	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1

Client Sample ID: SSHS-IRM5A2-A1-A39B — Lab Sample ID: 180-129207-11

Date Collected: 10/28/21 12:52 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 85.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	*3	0.0061	0.0044	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1
Xylenes, Total	ND	*3	0.012	0.0088	mg/Kg	☼	11/02/21 06:53	11/02/21 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*	*3	*60 - 124*	*11/02/21 06:53*	*11/02/21 18:11*	*1*
Dibromofluoromethane (Surr)	*91*	*3	*69 - 126*	*11/02/21 06:53*	*11/02/21 18:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*	*3	*73 - 135*	*11/02/21 06:53*	*11/02/21 18:11*	*1*
Toluene-d8 (Surr)	*96*	*3	*67 - 134*	*11/02/21 06:53*	*11/02/21 18:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.7**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**85.3**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A39C — Lab Sample ID: 180-129207-12

Date Collected: 10/28/21 12:50 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 84.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0055**	**J**	0.0079	0.0023	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Acenaphthylene	**0.029**		0.0079	0.0017	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Anthracene	**0.050**		0.0079	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Benzo[a]anthracene	**0.085**		0.0079	0.0035	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Benzo[a]pyrene	**0.070**		0.0079	0.0034	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Benzo[b]fluoranthene	**0.10**		0.0079	0.0019	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Benzo[g,h,i]perylene	**0.090**		0.0079	0.0017	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Benzo[k]fluoranthene	**0.029**		0.0079	0.0024	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Chrysene	**0.091**		0.0079	0.0044	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Dibenz(a,h)anthracene	**0.024**		0.0079	0.0050	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Dibenzofuran	ND		0.039	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
2,4-Dinitrotoluene	ND		0.039	0.023	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Fluoranthene	**0.12**		0.0079	0.0021	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Fluorene	**0.0068**	**J**	0.0079	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Hexachlorobenzene	ND		0.0079	0.0028	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Hexachlorobutadiene	ND		0.0079	0.0023	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Indeno[1,2,3-cd]pyrene	**0.079**		0.0079	0.0039	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Methylphenol, 3 & 4	ND		0.039	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Naphthalene	**0.037**		0.0079	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Phenanthrene	**0.068**		0.0079	0.0021	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Phenol	ND		0.039	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Pyrene	**0.13**		0.0079	0.0019	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
Pyridine	ND		0.079	0.021	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 22:27	1

Client Sample ID: SSHS-IRM5A2-A1-A39C

Date Collected: 10/28/21 12:50
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-12

Matrix: Solid
Percent Solids: 84.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		35 - 105	11/02/21 21:47	11/03/21 22:27	1
2-Fluorophenol (Surr)	69		32 - 105	11/02/21 21:47	11/03/21 22:27	1
Nitrobenzene-d5 (Surr)	75		34 - 109	11/02/21 21:47	11/03/21 22:27	1
Phenol-d5 (Surr)	68		34 - 105	11/02/21 21:47	11/03/21 22:27	1
Terphenyl-d14 (Surr)	70		20 - 117	11/02/21 21:47	11/03/21 22:27	1
2,4,6-Tribromophenol (Surr)	61		20 - 119	11/02/21 21:47	11/03/21 22:27	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1248	**0.057**		0.020	0.0047	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1254	**0.028**		0.020	0.0059	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1260	**0.0072**	**J p**	0.020	0.0056	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	11/04/21 09:10	11/05/21 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		63 - 138	11/04/21 09:10	11/05/21 21:31	1
DCB Decachlorobiphenyl (Surr)	93		63 - 138	11/04/21 09:10	11/05/21 21:31	1
Tetrachloro-m-xylene (Surr)	106		55 - 135	11/04/21 09:10	11/05/21 21:31	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	11/04/21 09:10	11/05/21 21:31	1

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.2**		0.96	0.38	mg/Kg	☼	11/03/21 10:22	11/05/21 10:35	1
Barium	**71**		19	1.0	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Beryllium	**0.30**	**J**	0.39	0.022	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Cadmium	ND		0.48	0.035	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Chromium	**8.1**		0.48	0.40	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Copper	**11**		2.4	2.2	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Lead	**12**		0.96	0.49	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Manganese	**620**		1.4	0.39	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Nickel	**10**		3.9	0.24	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Selenium	ND		0.96	0.50	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Silver	ND		0.48	0.10	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1
Zinc	**37**		1.9	1.5	mg/Kg	☼	11/03/21 10:22	11/04/21 13:13	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.059**		0.032	0.020	mg/Kg	☼	11/04/21 15:12	11/05/21 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.5**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**84.5**		0.1	0.1	%			11/02/21 15:08	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:39	1
Cyanide, Total	ND		0.47	0.26	mg/Kg	☼	11/03/21 16:45	11/04/21 15:40	1

Client Sample ID: SSHS-IRM5A2-A1-A40A — Lab Sample ID: 180-129207-13

Date Collected: 10/28/21 13:31 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 83.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0050	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Benzene	ND		0.0064	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
2-Butanone (MEK)	ND	*+	0.0064	0.0032	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Carbon tetrachloride	ND		0.0064	0.0026	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Chlorobenzene	ND		0.0064	0.0017	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Chloroform	ND		0.0064	0.0021	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
cis-1,2-Dichloroethene	ND		0.0064	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,2-Dichlorobenzene	ND		0.0064	0.0021	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,3-Dichlorobenzene	ND		0.0064	0.0039	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,4-Dichlorobenzene	ND		0.0064	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,1-Dichloroethane	ND		0.0064	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,2-Dichloroethane	ND		0.0064	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,1-Dichloroethene	ND		0.0064	0.0029	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,4-Dioxane	ND		1.3	0.045	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Ethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Methylene Chloride	ND		0.0064	0.0058	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Methyl tert-butyl ether	ND		0.0064	0.0019	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
n-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
N-Propylbenzene	ND		0.0064	0.0023	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
sec-Butylbenzene	ND		0.0064	0.0031	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
tert-Butylbenzene	ND		0.0064	0.0027	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Tetrachloroethene	ND		0.0064	0.0026	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Toluene	ND		0.0064	0.0018	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
trans-1,2-Dichloroethene	ND		0.0064	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,1,1-Trichloroethane	ND		0.0064	0.0021	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Trichloroethene	ND		0.0064	0.0020	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0022	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Vinyl chloride	ND		0.0064	0.0046	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1
Xylenes, Total	ND		0.013	0.0092	mg/Kg	☼	11/04/21 07:42	11/04/21 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*60 - 124*	*11/04/21 07:42*	*11/04/21 15:33*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*11/04/21 07:42*	*11/04/21 15:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*11/04/21 07:42*	*11/04/21 15:33*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*11/04/21 07:42*	*11/04/21 15:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.5**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**83.5**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A40B — Lab Sample ID: 180-129207-14

Date Collected: 10/28/21 13:32 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 89.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0037	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Benzene	ND		0.0048	0.0013	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1

Client Sample ID: SSHS-IRM5A2-A1-A40B
Lab Sample ID: 180-129207-14
Date Collected: 10/28/21 13:32 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 89.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*+	0.0048	0.0024	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Carbon tetrachloride	ND	F2	0.0048	0.0019	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Chlorobenzene	ND		0.0048	0.0012	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Chloroform	ND	F2	0.0048	0.0015	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
cis-1,2-Dichloroethene	ND	F2	0.0048	0.0014	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,3-Dichlorobenzene	ND	F2	0.0048	0.0029	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,1-Dichloroethane	ND	F2	0.0048	0.0015	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,4-Dioxane	ND	F2	0.96	0.034	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Ethylbenzene	ND	F2	0.0048	0.0018	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
N-Propylbenzene	ND	F2	0.0048	0.0017	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
sec-Butylbenzene	ND	F2	0.0048	0.0024	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
tert-Butylbenzene	ND	F2	0.0048	0.0020	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Toluene	ND	F2	0.0048	0.0014	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,1,1-Trichloroethane	ND	F2	0.0048	0.0016	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,2,4-Trimethylbenzene	ND	F2	0.0048	0.0016	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
1,3,5-Trimethylbenzene	ND	F2	0.0048	0.0018	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Vinyl chloride	ND		0.0048	0.0034	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1
Xylenes, Total	ND		0.0096	0.0069	mg/Kg	☼	11/02/21 06:53	11/04/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*60 - 124*	*11/02/21 06:53*	*11/04/21 15:58*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*11/02/21 06:53*	*11/04/21 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*11/02/21 06:53*	*11/04/21 15:58*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*11/02/21 06:53*	*11/04/21 15:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.2**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**89.8**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-A40C
Lab Sample ID: 180-129207-15
Date Collected: 10/28/21 13:30 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.011**		0.0076	0.0022	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Acenaphthylene	**0.16**		0.0076	0.0017	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Anthracene	**0.20**		0.0076	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Benzo[a]anthracene	**0.32**		0.0076	0.0034	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1

Client Sample ID: SSHS-IRM5A2-A1-A40C **Lab Sample ID: 180-129207-15**
Date Collected: 10/28/21 13:30 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.26**		0.0076	0.0033	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Benzo[b]fluoranthene	**0.39**	**F1**	0.0076	0.0019	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Benzo[g,h,i]perylene	**0.36**		0.0076	0.0016	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Benzo[k]fluoranthene	**0.14**		0.0076	0.0023	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Chrysene	**0.32**		0.0076	0.0042	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Dibenz(a,h)anthracene	**0.089**		0.0076	0.0049	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Dibenzofuran	**0.020**	**J**	0.038	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
1,4-Dioxane	ND		0.076	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Fluoranthene	**0.37**	**F1**	0.0076	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Fluorene	**0.021**		0.0076	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Hexachloroethane	ND		0.038	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Indeno[1,2,3-cd]pyrene	**0.31**		0.0076	0.0038	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Naphthalene	**0.17**		0.0076	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Nitrobenzene	ND		0.076	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Pentachlorophenol	ND	F1	0.19	0.061	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Phenanthrene	**0.14**		0.0076	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Pyrene	**0.43**		0.0076	0.0018	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
Pyridine	ND	F1	0.076	0.021	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*11/02/21 21:47*	*11/03/21 20:36*	*1*
2-Fluorophenol (Surr)	*54*		*32 - 105*	*11/02/21 21:47*	*11/03/21 20:36*	*1*
Nitrobenzene-d5 (Surr)	*61*		*34 - 109*	*11/02/21 21:47*	*11/03/21 20:36*	*1*
Phenol-d5 (Surr)	*54*		*34 - 105*	*11/02/21 21:47*	*11/03/21 20:36*	*1*
Terphenyl-d14 (Surr)	*55*		*20 - 117*	*11/02/21 21:47*	*11/03/21 20:36*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*20 - 119*	*11/02/21 21:47*	*11/03/21 20:36*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1248	**0.25**		0.019	0.0045	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1254	**0.15**		0.019	0.0057	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1260	**0.045**		0.019	0.0054	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/04/21 08:45	11/05/21 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/04/21 08:45*	*11/05/21 13:38*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*11/04/21 08:45*	*11/05/21 13:38*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A40C — Lab Sample ID: 180-129207-15

Date Collected: 10/28/21 13:30 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 87.2**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*11/04/21 08:45*	*11/05/21 13:38*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*11/04/21 08:45*	*11/05/21 13:38*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		0.96	0.37	mg/Kg	☼	11/03/21 10:22	11/05/21 10:40	1
Barium	**72**		19	1.0	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Beryllium	**0.33**	**J**	0.38	0.022	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Cadmium	**0.089**	**J**	0.48	0.035	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Chromium	**9.6**		0.48	0.39	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Copper	**24**		2.4	2.2	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Lead	**29**		0.96	0.49	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Manganese	**340**	**F2**	1.4	0.39	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Nickel	**15**		3.8	0.24	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Selenium	**0.51**	**J F1**	0.96	0.49	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Silver	ND		0.48	0.10	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1
Zinc	**67**	**F1**	1.9	1.5	mg/Kg	☼	11/03/21 10:22	11/04/21 13:17	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**	**F1**	0.031	0.020	mg/Kg	☼	11/04/21 15:12	11/05/21 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**87.2**		0.1	0.1	%			11/02/21 15:08	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/03/21 11:30	11/06/21 18:29	1
Cyanide, Total	ND		0.46	0.25	mg/Kg	☼	11/03/21 16:45	11/04/21 15:42	1

Client Sample ID: SSHS-IRM5A2-A1-DUP4A — Lab Sample ID: 180-129207-16

Date Collected: 10/28/21 00:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 89.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.027	0.0053	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Benzene	ND		0.0068	0.0019	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
2-Butanone (MEK)	ND	*+	0.0068	0.0034	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Carbon tetrachloride	ND		0.0068	0.0027	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Chlorobenzene	ND		0.0068	0.0018	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Chloroform	ND		0.0068	0.0022	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
cis-1,2-Dichloroethene	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,2-Dichlorobenzene	ND		0.0068	0.0023	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,3-Dichlorobenzene	ND		0.0068	0.0042	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,4-Dichlorobenzene	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,1-Dichloroethane	ND		0.0068	0.0022	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,2-Dichloroethane	ND		0.0068	0.0019	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,1-Dichloroethene	ND		0.0068	0.0031	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,4-Dioxane	ND		1.4	0.048	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Ethylbenzene	ND		0.0068	0.0025	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1

Client Sample ID: SSHS-IRM5A2-A1-DUP4A — Lab Sample ID: 180-129207-16

Date Collected: 10/28/21 00:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 89.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0068	0.0061	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Methyl tert-butyl ether	ND		0.0068	0.0020	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
n-Butylbenzene	ND		0.0068	0.0034	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
N-Propylbenzene	ND		0.0068	0.0024	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
sec-Butylbenzene	ND		0.0068	0.0033	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
tert-Butylbenzene	ND		0.0068	0.0029	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Tetrachloroethene	ND		0.0068	0.0027	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Toluene	ND		0.0068	0.0019	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
trans-1,2-Dichloroethene	ND		0.0068	0.0024	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,1,1-Trichloroethane	ND		0.0068	0.0023	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Trichloroethene	ND		0.0068	0.0021	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,2,4-Trimethylbenzene	ND		0.0068	0.0023	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
1,3,5-Trimethylbenzene	ND		0.0068	0.0025	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Vinyl chloride	ND		0.0068	0.0049	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1
Xylenes, Total	ND		0.014	0.0097	mg/Kg	☼	11/02/21 06:53	11/04/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*11/02/21 06:53*	*11/04/21 16:24*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*11/02/21 06:53*	*11/04/21 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*11/02/21 06:53*	*11/04/21 16:24*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*11/02/21 06:53*	*11/04/21 16:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**89.7**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-DUP4B — Lab Sample ID: 180-129207-17

Date Collected: 10/28/21 00:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 84.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.38	0.073	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Benzene	ND		0.094	0.026	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
2-Butanone (MEK)	ND	*+	0.094	0.048	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Carbon tetrachloride	ND		0.094	0.038	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Chlorobenzene	ND		0.094	0.024	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Chloroform	ND		0.094	0.030	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
cis-1,2-Dichloroethene	ND		0.094	0.028	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,2-Dichlorobenzene	ND		0.094	0.032	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,3-Dichlorobenzene	ND		0.094	0.058	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,4-Dichlorobenzene	ND		0.094	0.028	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,1-Dichloroethane	ND		0.094	0.030	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,2-Dichloroethane	ND		0.094	0.027	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,1-Dichloroethene	ND		0.094	0.042	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,4-Dioxane	ND		19	0.67	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Ethylbenzene	ND		0.094	0.035	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Methylene Chloride	ND		0.094	0.085	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Methyl tert-butyl ether	ND		0.094	0.028	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1

Client Sample ID: SSHS-IRM5A2-A1-DUP4B — Lab Sample ID: 180-129207-17

Date Collected: 10/28/21 00:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 84.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.094	0.047	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
N-Propylbenzene	ND		0.094	0.033	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
sec-Butylbenzene	ND		0.094	0.046	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
tert-Butylbenzene	ND		0.094	0.040	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Tetrachloroethene	ND		0.094	0.038	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Toluene	ND		0.094	0.027	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
trans-1,2-Dichloroethene	ND		0.094	0.033	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,1,1-Trichloroethane	ND		0.094	0.031	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Trichloroethene	ND		0.094	0.030	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,2,4-Trimethylbenzene	ND		0.094	0.032	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
1,3,5-Trimethylbenzene	ND		0.094	0.035	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Vinyl chloride	ND		0.094	0.068	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1
Xylenes, Total	ND		0.19	0.14	mg/Kg	☼	11/02/21 06:53	11/04/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*11/02/21 06:53*	*11/04/21 18:05*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*11/02/21 06:53*	*11/04/21 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*	*11/02/21 06:53*	*11/04/21 18:05*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*11/02/21 06:53*	*11/04/21 18:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.2**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**84.8**		0.1	0.1	%			11/02/21 15:08	1

Client Sample ID: SSHS-IRM5A2-A1-DUP4C — Lab Sample ID: 180-129207-18

Date Collected: 10/28/21 00:00 — **Matrix: Solid**
Date Received: 10/29/21 10:00 — **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0066**	**J**	0.0078	0.0022	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Acenaphthylene	**0.033**		0.0078	0.0017	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Anthracene	**0.049**		0.0078	0.0020	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Benzo[a]anthracene	**0.10**		0.0078	0.0035	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Benzo[a]pyrene	**0.087**		0.0078	0.0034	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Benzo[b]fluoranthene	**0.13**		0.0078	0.0019	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Benzo[g,h,i]perylene	**0.10**		0.0078	0.0017	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Benzo[k]fluoranthene	**0.039**		0.0078	0.0023	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Chrysene	**0.11**		0.0078	0.0043	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Dibenz(a,h)anthracene	**0.027**		0.0078	0.0050	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Fluoranthene	**0.16**		0.0078	0.0021	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Fluorene	**0.0081**		0.0078	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Indeno[1,2,3-cd]pyrene	**0.087**		0.0078	0.0039	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1

Client Sample ID: SSHS-IRM5A2-A1-DUP4C
Lab Sample ID: 180-129207-18
Date Collected: 10/28/21 00:00 **Matrix: Solid**
Date Received: 10/29/21 10:00 **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Naphthalene	**0.034**		0.0078	0.0015	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Phenanthrene	**0.083**		0.0078	0.0021	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Pyrene	**0.18**		0.0078	0.0018	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
2,4,5-Trichlorophenol	ND		0.038	0.014	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/02/21 21:47	11/03/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*11/02/21 21:47*	*11/03/21 15:31*	*1*
2-Fluorophenol (Surr)	*81*		*32 - 105*	*11/02/21 21:47*	*11/03/21 15:31*	*1*
Nitrobenzene-d5 (Surr)	*86*		*34 - 109*	*11/02/21 21:47*	*11/03/21 15:31*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/02/21 21:47*	*11/03/21 15:31*	*1*
Terphenyl-d14 (Surr)	*82*		*20 - 117*	*11/02/21 21:47*	*11/03/21 15:31*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*11/02/21 21:47*	*11/03/21 15:31*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1248	**0.31**		0.019	0.0046	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1254	**0.14**		0.019	0.0057	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1260	**0.039**		0.019	0.0054	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/04/21 09:10	11/05/21 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*11/04/21 09:10*	*11/05/21 21:50*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*11/04/21 09:10*	*11/05/21 21:50*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*11/04/21 09:10*	*11/05/21 21:50*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/04/21 09:10*	*11/05/21 21:50*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		0.98	0.38	mg/Kg	☼	11/03/21 10:22	11/05/21 11:07	1
Barium	**110**		20	1.0	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Beryllium	**0.46**		0.39	0.022	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Cadmium	ND		0.49	0.036	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Chromium	**19**		0.49	0.40	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Copper	**20**		2.4	2.2	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Lead	**25**		0.98	0.50	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Manganese	**510**		1.5	0.40	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Nickel	**19**		3.9	0.24	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Selenium	**0.83**	**J**	0.98	0.50	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

Client Sample ID: SSHS-IRM5A2-A1-DUP4C
Date Collected: 10/28/21 00:00
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-18
Matrix: Solid
Percent Solids: 85.2

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.10	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1
Zinc	**66**		2.0	1.5	mg/Kg	☼	11/03/21 10:22	11/04/21 13:48	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.031	0.020	mg/Kg	☼	11/04/21 15:12	11/05/21 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.8**		0.1	0.1	%			11/02/21 15:08	1
Percent Solids	**85.2**		0.1	0.1	%			11/02/21 15:08	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/03/21 11:30	11/06/21 18:40	1
Cyanide, Total	**0.31**	**J**	0.56	0.30	mg/Kg	☼	11/03/21 16:45	11/04/21 15:50	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 180-129207-13 MS
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: SSHS-IRM5A2-A1-A40A
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0385	0.0408		mg/Kg	☼	106	23 - 170
Benzene	ND		0.0385	0.0359		mg/Kg	☼	93	77 - 120
2-Butanone (MEK)	ND	*+	0.0385	0.0452		mg/Kg	☼	117	39 - 157
Carbon tetrachloride	ND		0.0385	0.0368		mg/Kg	☼	96	73 - 130
Chlorobenzene	ND		0.0385	0.0341		mg/Kg	☼	89	79 - 122
Chloroform	ND		0.0385	0.0377		mg/Kg	☼	98	73 - 126
cis-1,2-Dichloroethene	ND		0.0385	0.0377		mg/Kg	☼	98	77 - 118
1,2-Dichlorobenzene	ND		0.0385	0.0373		mg/Kg	☼	97	76 - 120
1,3-Dichlorobenzene	ND		0.0385	0.0351		mg/Kg	☼	91	77 - 121
1,4-Dichlorobenzene	ND		0.0385	0.0348		mg/Kg	☼	90	79 - 120
1,1-Dichloroethane	ND		0.0385	0.0369		mg/Kg	☼	96	73 - 124
1,2-Dichloroethane	ND		0.0385	0.0418		mg/Kg	☼	109	64 - 140
1,1-Dichloroethene	ND		0.0385	0.0360		mg/Kg	☼	94	55 - 136
1,4-Dioxane	ND		0.770	0.922	J	mg/Kg	☼	120	18 - 166
Ethylbenzene	ND		0.0385	0.0354		mg/Kg	☼	92	79 - 119
Methylene Chloride	ND		0.0385	0.0377		mg/Kg	☼	98	67 - 131
Methyl tert-butyl ether	ND		0.0385	0.0400		mg/Kg	☼	104	58 - 132
n-Butylbenzene	ND		0.0385	0.0312		mg/Kg	☼	81	64 - 136
N-Propylbenzene	ND		0.0385	0.0364		mg/Kg	☼	95	71 - 127
sec-Butylbenzene	ND		0.0385	0.0327		mg/Kg	☼	85	65 - 130
tert-Butylbenzene	ND		0.0385	0.0352		mg/Kg	☼	91	69 - 133
Tetrachloroethene	ND		0.0385	0.0354		mg/Kg	☼	92	71 - 121
Toluene	ND		0.0385	0.0334		mg/Kg	☼	87	76 - 120
trans-1,2-Dichloroethene	ND		0.0385	0.0351		mg/Kg	☼	91	75 - 122
1,1,1-Trichloroethane	ND		0.0385	0.0365		mg/Kg	☼	95	72 - 134
Trichloroethene	ND		0.0385	0.0366		mg/Kg	☼	95	69 - 118
1,2,4-Trimethylbenzene	ND		0.0385	0.0347		mg/Kg	☼	90	74 - 127
1,3,5-Trimethylbenzene	ND		0.0385	0.0347		mg/Kg	☼	90	69 - 131
Vinyl chloride	ND		0.0385	0.0355		mg/Kg	☼	92	64 - 134
Xylenes, Total	ND		0.0770	0.0703		mg/Kg	☼	91	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*83*		*67 - 134*

Lab Sample ID: 180-129207-13 MSD
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: SSHS-IRM5A2-A1-A40A
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0395	0.0438		mg/Kg	☼	111	23 - 170	7	35
Benzene	ND		0.0395	0.0361		mg/Kg	☼	91	77 - 120	0	20
2-Butanone (MEK)	ND	*+	0.0395	0.0470		mg/Kg	☼	119	39 - 157	4	33
Carbon tetrachloride	ND		0.0395	0.0379		mg/Kg	☼	96	73 - 130	3	21
Chlorobenzene	ND		0.0395	0.0346		mg/Kg	☼	88	79 - 122	2	20
Chloroform	ND		0.0395	0.0384		mg/Kg	☼	97	73 - 126	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129207-13 MSD
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: SSHS-IRM5A2-A1-A40A
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND		0.0395	0.0387		mg/Kg	☼	98	77 - 118	2	20
1,2-Dichlorobenzene	ND		0.0395	0.0378		mg/Kg	☼	96	76 - 120	1	20
1,3-Dichlorobenzene	ND		0.0395	0.0361		mg/Kg	☼	91	77 - 121	3	20
1,4-Dichlorobenzene	ND		0.0395	0.0361		mg/Kg	☼	91	79 - 120	4	20
1,1-Dichloroethane	ND		0.0395	0.0388		mg/Kg	☼	98	73 - 124	5	20
1,2-Dichloroethane	ND		0.0395	0.0420		mg/Kg	☼	106	64 - 140	0	20
1,1-Dichloroethene	ND		0.0395	0.0342		mg/Kg	☼	87	55 - 136	5	21
1,4-Dioxane	ND		0.790	0.983	J	mg/Kg	☼	124	18 - 166	6	40
Ethylbenzene	ND		0.0395	0.0353		mg/Kg	☼	89	79 - 119	0	20
Methylene Chloride	ND		0.0395	0.0395		mg/Kg	☼	100	67 - 131	5	32
Methyl tert-butyl ether	ND		0.0395	0.0428		mg/Kg	☼	108	58 - 132	7	24
n-Butylbenzene	ND		0.0395	0.0311		mg/Kg	☼	79	64 - 136	0	21
N-Propylbenzene	ND		0.0395	0.0371		mg/Kg	☼	94	71 - 127	2	20
sec-Butylbenzene	ND		0.0395	0.0331		mg/Kg	☼	84	65 - 130	1	20
tert-Butylbenzene	ND		0.0395	0.0360		mg/Kg	☼	91	69 - 133	2	23
Tetrachloroethene	ND		0.0395	0.0356		mg/Kg	☼	90	71 - 121	1	21
Toluene	ND		0.0395	0.0344		mg/Kg	☼	87	76 - 120	3	20
trans-1,2-Dichloroethene	ND		0.0395	0.0360		mg/Kg	☼	91	75 - 122	3	20
1,1,1-Trichloroethane	ND		0.0395	0.0377		mg/Kg	☼	95	72 - 134	3	20
Trichloroethene	ND		0.0395	0.0372		mg/Kg	☼	94	69 - 118	2	20
1,2,4-Trimethylbenzene	ND		0.0395	0.0357		mg/Kg	☼	90	74 - 127	3	20
1,3,5-Trimethylbenzene	ND		0.0395	0.0361		mg/Kg	☼	91	69 - 131	4	20
Vinyl chloride	ND		0.0395	0.0290		mg/Kg	☼	73	64 - 134	20	23
Xylenes, Total	ND		0.0790	0.0709		mg/Kg	☼	90	78 - 118	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*
Dibromofluoromethane (Surr)	*95*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*
Toluene-d8 (Surr)	*82*		*67 - 134*

Lab Sample ID: 180-129207-14 MS
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: SSHS-IRM5A2-A1-A40B
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0355	0.0412		mg/Kg	☼	116	23 - 170
Benzene	ND		0.0355	0.0310		mg/Kg	☼	87	77 - 120
2-Butanone (MEK)	ND	*+	0.0355	0.0536		mg/Kg	☼	151	39 - 157
Carbon tetrachloride	ND	F2	0.0355	0.0337		mg/Kg	☼	95	73 - 130
Chlorobenzene	ND		0.0355	0.0304		mg/Kg	☼	86	79 - 122
Chloroform	ND	F2	0.0355	0.0329		mg/Kg	☼	93	73 - 126
cis-1,2-Dichloroethene	ND	F2	0.0355	0.0334		mg/Kg	☼	94	77 - 118
1,2-Dichlorobenzene	ND		0.0355	0.0328		mg/Kg	☼	92	76 - 120
1,3-Dichlorobenzene	ND	F2	0.0355	0.0302		mg/Kg	☼	85	77 - 121
1,4-Dichlorobenzene	ND		0.0355	0.0309		mg/Kg	☼	87	79 - 120
1,1-Dichloroethane	ND	F2	0.0355	0.0332		mg/Kg	☼	94	73 - 124
1,2-Dichloroethane	ND		0.0355	0.0397		mg/Kg	☼	112	64 - 140

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129207-14 MS
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: SSHS-IRM5A2-A1-A40B
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		0.0355	0.0331		mg/Kg	☼	93	55 - 136
1,4-Dioxane	ND	F2	0.710	0.523	J	mg/Kg	☼	74	18 - 166
Ethylbenzene	ND	F2	0.0355	0.0309		mg/Kg	☼	87	79 - 119
Methylene Chloride	ND		0.0355	0.0330		mg/Kg	☼	93	67 - 131
Methyl tert-butyl ether	ND		0.0355	0.0379		mg/Kg	☼	107	58 - 132
n-Butylbenzene	ND		0.0355	0.0290		mg/Kg	☼	82	64 - 136
N-Propylbenzene	ND	F2	0.0355	0.0296		mg/Kg	☼	83	71 - 127
sec-Butylbenzene	ND	F2	0.0355	0.0265		mg/Kg	☼	75	65 - 130
tert-Butylbenzene	ND	F2	0.0355	0.0279		mg/Kg	☼	79	69 - 133
Tetrachloroethene	ND		0.0355	0.0305		mg/Kg	☼	86	71 - 121
Toluene	ND	F2	0.0355	0.0289		mg/Kg	☼	81	76 - 120
trans-1,2-Dichloroethene	ND		0.0355	0.0332		mg/Kg	☼	94	75 - 122
1,1,1-Trichloroethane	ND	F2	0.0355	0.0331		mg/Kg	☼	93	72 - 134
Trichloroethene	ND		0.0355	0.0328		mg/Kg	☼	92	69 - 118
1,2,4-Trimethylbenzene	ND	F2	0.0355	0.0281		mg/Kg	☼	79	74 - 127
1,3,5-Trimethylbenzene	ND	F2	0.0355	0.0278		mg/Kg	☼	78	69 - 131
Vinyl chloride	ND		0.0355	0.0295		mg/Kg	☼	83	64 - 134
Xylenes, Total	ND		0.0710	0.0607		mg/Kg	☼	86	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*
Toluene-d8 (Surr)	*78*		*67 - 134*

Lab Sample ID: 180-129207-14 MSD
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: SSHS-IRM5A2-A1-A40B
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0386	0.0494		mg/Kg	☼	128	23 - 170	18	35
Benzene	ND		0.0386	0.0374		mg/Kg	☼	97	77 - 120	19	20
2-Butanone (MEK)	ND	*+	0.0386	0.0599		mg/Kg	☼	155	39 - 157	11	33
Carbon tetrachloride	ND	F2	0.0386	0.0422	F2	mg/Kg	☼	109	73 - 130	22	21
Chlorobenzene	ND		0.0386	0.0367		mg/Kg	☼	95	79 - 122	19	20
Chloroform	ND	F2	0.0386	0.0415	F2	mg/Kg	☼	108	73 - 126	23	20
cis-1,2-Dichloroethene	ND	F2	0.0386	0.0418	F2	mg/Kg	☼	108	77 - 118	22	20
1,2-Dichlorobenzene	ND		0.0386	0.0391		mg/Kg	☼	101	76 - 120	17	20
1,3-Dichlorobenzene	ND	F2	0.0386	0.0373	F2	mg/Kg	☼	97	77 - 121	21	20
1,4-Dichlorobenzene	ND		0.0386	0.0378		mg/Kg	☼	98	79 - 120	20	20
1,1-Dichloroethane	ND	F2	0.0386	0.0414	F2	mg/Kg	☼	107	73 - 124	22	20
1,2-Dichloroethane	ND		0.0386	0.0476		mg/Kg	☼	123	64 - 140	18	20
1,1-Dichloroethene	ND		0.0386	0.0403		mg/Kg	☼	104	55 - 136	20	21
1,4-Dioxane	ND	F2	0.772	0.275	J F2	mg/Kg	☼	36	18 - 166	62	40
Ethylbenzene	ND	F2	0.0386	0.0381	F2	mg/Kg	☼	99	79 - 119	21	20
Methylene Chloride	ND		0.0386	0.0402		mg/Kg	☼	104	67 - 131	20	32
Methyl tert-butyl ether	ND		0.0386	0.0466		mg/Kg	☼	121	58 - 132	21	24
n-Butylbenzene	ND		0.0386	0.0347		mg/Kg	☼	90	64 - 136	18	21

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129207-14 MSD
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: SSHS-IRM5A2-A1-A40B
Prep Type: Total/NA
Prep Batch: 377282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND	F2	0.0386	0.0385	F2	mg/Kg	☼	100	71 - 127	26	20
sec-Butylbenzene	ND	F2	0.0386	0.0343	F2	mg/Kg	☼	89	65 - 130	26	20
tert-Butylbenzene	ND	F2	0.0386	0.0369	F2	mg/Kg	☼	96	69 - 133	28	23
Tetrachloroethene	ND		0.0386	0.0371		mg/Kg	☼	96	71 - 121	19	21
Toluene	ND	F2	0.0386	0.0357	F2	mg/Kg	☼	92	76 - 120	21	20
trans-1,2-Dichloroethene	ND		0.0386	0.0401		mg/Kg	☼	104	75 - 122	19	20
1,1,1-Trichloroethane	ND	F2	0.0386	0.0431	F2	mg/Kg	☼	112	72 - 134	26	20
Trichloroethene	ND		0.0386	0.0387		mg/Kg	☼	100	69 - 118	17	20
1,2,4-Trimethylbenzene	ND	F2	0.0386	0.0366	F2	mg/Kg	☼	95	74 - 127	26	20
1,3,5-Trimethylbenzene	ND	F2	0.0386	0.0363	F2	mg/Kg	☼	94	69 - 131	27	20
Vinyl chloride	ND		0.0386	0.0367		mg/Kg	☼	95	64 - 134	21	23
Xylenes, Total	ND		0.0772	0.0742		mg/Kg	☼	96	78 - 118	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*85*		*67 - 134*

Lab Sample ID: MB 180-377286/6
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/02/21 10:10	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/02/21 10:10	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/02/21 10:10	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/02/21 10:10	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/02/21 10:10	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/02/21 10:10	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/02/21 10:10	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/02/21 10:10	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/02/21 10:10	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/02/21 10:10	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/02/21 10:10	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/02/21 10:10	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/02/21 10:10	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/02/21 10:10	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/02/21 10:10	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/02/21 10:10	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/02/21 10:10	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/02/21 10:10	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/02/21 10:10	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/02/21 10:10	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/02/21 10:10	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/02/21 10:10	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/02/21 10:10	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/02/21 10:10	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-377286/6
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/02/21 10:10	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/02/21 10:10	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/02/21 10:10	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/02/21 10:10	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/02/21 10:10	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/02/21 10:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*		*11/02/21 10:10*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*		*11/02/21 10:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*		*11/02/21 10:10*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*		*11/02/21 10:10*	*1*

Lab Sample ID: LCS 180-377286/3
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0285		mg/Kg		71	23 - 170
Benzene	0.0400	0.0402		mg/Kg		100	77 - 120
2-Butanone (MEK)	0.0400	0.0302		mg/Kg		75	39 - 157
Carbon tetrachloride	0.0400	0.0425		mg/Kg		106	73 - 130
Chlorobenzene	0.0400	0.0404		mg/Kg		101	79 - 122
Chloroform	0.0400	0.0400		mg/Kg		100	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0422		mg/Kg		106	77 - 118
1,2-Dichlorobenzene	0.0400	0.0404		mg/Kg		101	76 - 120
1,3-Dichlorobenzene	0.0400	0.0411		mg/Kg		103	77 - 121
1,4-Dichlorobenzene	0.0400	0.0411		mg/Kg		103	79 - 120
1,1-Dichloroethane	0.0400	0.0409		mg/Kg		102	73 - 124
1,2-Dichloroethane	0.0400	0.0380		mg/Kg		95	64 - 140
1,1-Dichloroethene	0.0400	0.0403		mg/Kg		101	55 - 136
1,4-Dioxane	0.800	0.628	J	mg/Kg		78	18 - 166
Ethylbenzene	0.0400	0.0413		mg/Kg		103	79 - 119
Methylene Chloride	0.0400	0.0424		mg/Kg		106	67 - 131
Methyl tert-butyl ether	0.0400	0.0346		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0365		mg/Kg		91	64 - 136
N-Propylbenzene	0.0400	0.0425		mg/Kg		106	71 - 127
sec-Butylbenzene	0.0400	0.0378		mg/Kg		95	65 - 130
tert-Butylbenzene	0.0400	0.0395		mg/Kg		99	69 - 133
Tetrachloroethene	0.0400	0.0447		mg/Kg		112	71 - 121
Toluene	0.0400	0.0406		mg/Kg		101	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0422		mg/Kg		106	75 - 122
1,1,1-Trichloroethane	0.0400	0.0425		mg/Kg		106	72 - 134
Trichloroethene	0.0400	0.0425		mg/Kg		106	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0388		mg/Kg		97	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0391		mg/Kg		98	69 - 131
Vinyl chloride	0.0400	0.0344		mg/Kg		86	64 - 134
Xylenes, Total	0.0800	0.0776		mg/Kg		97	78 - 118

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-377286/3
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: LCSD 180-377286/4
Matrix: Solid
Analysis Batch: 377286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0321		mg/Kg		80	23 - 170	12	35
Benzene			0.0400	0.0391		mg/Kg		98	77 - 120	3	20
2-Butanone (MEK)			0.0400	0.0301		mg/Kg		75	39 - 157	0	33
Carbon tetrachloride			0.0400	0.0416		mg/Kg		104	73 - 130	2	21
Chlorobenzene			0.0400	0.0392		mg/Kg		98	79 - 122	3	20
Chloroform			0.0400	0.0397		mg/Kg		99	73 - 126	1	20
cis-1,2-Dichloroethene			0.0400	0.0407		mg/Kg		102	77 - 118	4	20
1,2-Dichlorobenzene			0.0400	0.0396		mg/Kg		99	76 - 120	2	20
1,3-Dichlorobenzene			0.0400	0.0415		mg/Kg		104	77 - 121	1	20
1,4-Dichlorobenzene			0.0400	0.0401		mg/Kg		100	79 - 120	2	20
1,1-Dichloroethane			0.0400	0.0393		mg/Kg		98	73 - 124	4	20
1,2-Dichloroethane			0.0400	0.0383		mg/Kg		96	64 - 140	1	20
1,1-Dichloroethene			0.0400	0.0410		mg/Kg		102	55 - 136	2	21
1,4-Dioxane			0.800	0.587	J	mg/Kg		73	18 - 166	7	40
Ethylbenzene			0.0400	0.0402		mg/Kg		100	79 - 119	3	20
Methylene Chloride			0.0400	0.0416		mg/Kg		104	67 - 131	2	32
Methyl tert-butyl ether			0.0400	0.0353		mg/Kg		88	58 - 132	2	24
n-Butylbenzene			0.0400	0.0393		mg/Kg		98	64 - 136	7	21
N-Propylbenzene			0.0400	0.0425		mg/Kg		106	71 - 127	0	20
sec-Butylbenzene			0.0400	0.0394		mg/Kg		99	65 - 130	4	20
tert-Butylbenzene			0.0400	0.0408		mg/Kg		102	69 - 133	3	23
Tetrachloroethene			0.0400	0.0415		mg/Kg		104	71 - 121	7	21
Toluene			0.0400	0.0381		mg/Kg		95	76 - 120	6	20
trans-1,2-Dichloroethene			0.0400	0.0413		mg/Kg		103	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0412		mg/Kg		103	72 - 134	3	20
Trichloroethene			0.0400	0.0418		mg/Kg		105	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0392		mg/Kg		98	74 - 127	1	20
1,3,5-Trimethylbenzene			0.0400	0.0397		mg/Kg		99	69 - 131	1	20
Vinyl chloride			0.0400	0.0419		mg/Kg		105	64 - 134	20	23
Xylenes, Total			0.0800	0.0800		mg/Kg		100	78 - 118	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*
Dibromofluoromethane (Surr)	*85*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-377560/8
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			11/04/21 12:36	1
Benzene	ND		0.0050	0.0014	mg/Kg			11/04/21 12:36	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			11/04/21 12:36	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			11/04/21 12:36	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			11/04/21 12:36	1
Chloroform	ND		0.0050	0.0016	mg/Kg			11/04/21 12:36	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/04/21 12:36	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			11/04/21 12:36	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			11/04/21 12:36	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			11/04/21 12:36	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			11/04/21 12:36	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			11/04/21 12:36	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			11/04/21 12:36	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			11/04/21 12:36	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			11/04/21 12:36	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			11/04/21 12:36	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			11/04/21 12:36	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/04/21 12:36	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/04/21 12:36	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/04/21 12:36	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			11/04/21 12:36	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			11/04/21 12:36	1
Toluene	ND		0.0050	0.0014	mg/Kg			11/04/21 12:36	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/04/21 12:36	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			11/04/21 12:36	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			11/04/21 12:36	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			11/04/21 12:36	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/04/21 12:36	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			11/04/21 12:36	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			11/04/21 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*		*11/04/21 12:36*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*		*11/04/21 12:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*		*11/04/21 12:36*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*		*11/04/21 12:36*	*1*

Lab Sample ID: LCS 180-377560/3
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0421		mg/Kg		105	23 - 170
Benzene	0.0400	0.0392		mg/Kg		98	77 - 120
2-Butanone (MEK)	0.0400	0.0618		mg/Kg		155	39 - 157
Carbon tetrachloride	0.0400	0.0427		mg/Kg		107	73 - 130
Chlorobenzene	0.0400	0.0388		mg/Kg		97	79 - 122
Chloroform	0.0400	0.0400		mg/Kg		100	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-377560/3
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0411		mg/Kg		103	77 - 118
1,2-Dichlorobenzene	0.0400	0.0385		mg/Kg		96	76 - 120
1,3-Dichlorobenzene	0.0400	0.0389		mg/Kg		97	77 - 121
1,4-Dichlorobenzene	0.0400	0.0390		mg/Kg		98	79 - 120
1,1-Dichloroethane	0.0400	0.0410		mg/Kg		102	73 - 124
1,2-Dichloroethane	0.0400	0.0434		mg/Kg		109	64 - 140
1,1-Dichloroethene	0.0400	0.0412		mg/Kg		103	55 - 136
1,4-Dioxane	0.800	0.388	J	mg/Kg		48	18 - 166
Ethylbenzene	0.0400	0.0410		mg/Kg		102	79 - 119
Methylene Chloride	0.0400	0.0403		mg/Kg		101	67 - 131
Methyl tert-butyl ether	0.0400	0.0404		mg/Kg		101	58 - 132
n-Butylbenzene	0.0400	0.0384		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0405		mg/Kg		101	71 - 127
sec-Butylbenzene	0.0400	0.0375		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0383		mg/Kg		96	69 - 133
Tetrachloroethene	0.0400	0.0394		mg/Kg		98	71 - 121
Toluene	0.0400	0.0376		mg/Kg		94	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0418		mg/Kg		105	75 - 122
1,1,1-Trichloroethane	0.0400	0.0423		mg/Kg		106	72 - 134
Trichloroethene	0.0400	0.0396		mg/Kg		99	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0376		mg/Kg		94	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0379		mg/Kg		95	69 - 131
Vinyl chloride	0.0400	0.0377		mg/Kg		94	64 - 134
Xylenes, Total	0.0800	0.0791		mg/Kg		99	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: LCSD 180-377560/4
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0410		mg/Kg		103	23 - 170	3	35
Benzene	0.0400	0.0413		mg/Kg		103	77 - 120	5	20
2-Butanone (MEK)	0.0400	0.0637	*+	mg/Kg		159	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0451		mg/Kg		113	73 - 130	6	21
Chlorobenzene	0.0400	0.0414		mg/Kg		103	79 - 122	6	20
Chloroform	0.0400	0.0415		mg/Kg		104	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0433		mg/Kg		108	77 - 118	5	20
1,2-Dichlorobenzene	0.0400	0.0393		mg/Kg		98	76 - 120	2	20
1,3-Dichlorobenzene	0.0400	0.0405		mg/Kg		101	77 - 121	4	20
1,4-Dichlorobenzene	0.0400	0.0406		mg/Kg		101	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0433		mg/Kg		108	73 - 124	6	20
1,2-Dichloroethane	0.0400	0.0450		mg/Kg		112	64 - 140	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-377560/4
Matrix: Solid
Analysis Batch: 377560

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0430		mg/Kg		107	55 - 136	4	21
1,4-Dioxane			0.800	0.264	J	mg/Kg		33	18 - 166	38	40
Ethylbenzene			0.0400	0.0431		mg/Kg		108	79 - 119	5	20
Methylene Chloride			0.0400	0.0434		mg/Kg		108	67 - 131	7	32
Methyl tert-butyl ether			0.0400	0.0412		mg/Kg		103	58 - 132	2	24
n-Butylbenzene			0.0400	0.0400		mg/Kg		100	64 - 136	4	21
N-Propylbenzene			0.0400	0.0428		mg/Kg		107	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0393		mg/Kg		98	65 - 130	5	20
tert-Butylbenzene			0.0400	0.0399		mg/Kg		100	69 - 133	4	23
Tetrachloroethene			0.0400	0.0416		mg/Kg		104	71 - 121	5	21
Toluene			0.0400	0.0399		mg/Kg		100	76 - 120	6	20
trans-1,2-Dichloroethene			0.0400	0.0434		mg/Kg		109	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0444		mg/Kg		111	72 - 134	5	20
Trichloroethene			0.0400	0.0420		mg/Kg		105	69 - 118	6	20
1,2,4-Trimethylbenzene			0.0400	0.0395		mg/Kg		99	74 - 127	5	20
1,3,5-Trimethylbenzene			0.0400	0.0397		mg/Kg		99	69 - 131	5	20
Vinyl chloride			0.0400	0.0402		mg/Kg		101	64 - 134	6	23
Xylenes, Total			0.0800	0.0843		mg/Kg		105	78 - 118	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-377406/1-A
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/02/21 21:47	11/03/21 11:26	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-377406/1-A
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Phenol	ND		0.033	0.010	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
Pyridine	ND		0.067	0.018	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/02/21 21:47	11/03/21 11:26	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/02/21 21:47	11/03/21 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*11/02/21 21:47*	*11/03/21 11:26*	*1*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*11/02/21 21:47*	*11/03/21 11:26*	*1*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*11/02/21 21:47*	*11/03/21 11:26*	*1*
Phenol-d5 (Surr)	*76*		*34 - 105*	*11/02/21 21:47*	*11/03/21 11:26*	*1*
Terphenyl-d14 (Surr)	*78*		*20 - 117*	*11/02/21 21:47*	*11/03/21 11:26*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*	*11/02/21 21:47*	*11/03/21 11:26*	*1*

Lab Sample ID: LCS 180-377406/2-A
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.469		mg/Kg		70	41 - 100
Acenaphthylene	0.667	0.474		mg/Kg		71	45 - 100
Anthracene	0.667	0.503		mg/Kg		75	47 - 100
Benzo[a]anthracene	0.667	0.529		mg/Kg		79	47 - 100
Benzo[a]pyrene	0.667	0.454		mg/Kg		68	45 - 101
Benzo[b]fluoranthene	0.667	0.482		mg/Kg		72	44 - 100
Benzo[g,h,i]perylene	0.667	0.416		mg/Kg		62	45 - 103
Benzo[k]fluoranthene	0.667	0.404		mg/Kg		61	43 - 100
Chrysene	0.667	0.477		mg/Kg		71	44 - 100
Dibenz(a,h)anthracene	0.667	0.467		mg/Kg		70	46 - 107
Dibenzofuran	0.667	0.462		mg/Kg		69	47 - 100
2,4-Dinitrotoluene	0.667	0.478		mg/Kg		72	48 - 106
1,4-Dioxane	0.667	0.457		mg/Kg		69	10 - 133
Fluoranthene	0.667	0.487		mg/Kg		73	49 - 102
Fluorene	0.667	0.454		mg/Kg		68	46 - 100
Hexachlorobenzene	0.667	0.488		mg/Kg		73	45 - 101
Hexachlorobutadiene	0.667	0.460		mg/Kg		69	38 - 110
Hexachloroethane	0.667	0.473		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.457		mg/Kg		69	48 - 104
2-Methylphenol	0.667	0.470		mg/Kg		71	43 - 101
Methylphenol, 3 & 4	0.667	0.473		mg/Kg		71	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-377406/2-A
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	0.667	0.469		mg/Kg		70	43 - 100
Nitrobenzene	0.667	0.485		mg/Kg		73	43 - 107
Pentachlorophenol	1.33	0.985		mg/Kg		74	34 - 112
Phenanthrene	0.667	0.486		mg/Kg		73	46 - 100
Phenol	0.667	0.477		mg/Kg		72	42 - 103
Pyrene	0.667	0.524		mg/Kg		79	44 - 102
Pyridine	1.33	0.989		mg/Kg		74	25 - 109
2,4,5-Trichlorophenol	0.667	0.476		mg/Kg		71	47 - 108
2,4,6-Trichlorophenol	0.667	0.480		mg/Kg		72	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*81*		*32 - 105*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*
Phenol-d5 (Surr)	*72*		*34 - 105*
Terphenyl-d14 (Surr)	*81*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.011		0.749	0.440		mg/Kg	☼	57	41 - 100
Acenaphthylene	0.16		0.749	0.586		mg/Kg	☼	56	45 - 100
Anthracene	0.20		0.749	0.619		mg/Kg	☼	56	47 - 100
Benzo[a]anthracene	0.32		0.749	0.717		mg/Kg	☼	53	47 - 100
Benzo[a]pyrene	0.26		0.749	0.653		mg/Kg	☼	53	45 - 101
Benzo[b]fluoranthene	0.39	F1	0.749	0.713	F1	mg/Kg	☼	43	44 - 100
Benzo[g,h,i]perylene	0.36		0.749	0.901		mg/Kg	☼	72	45 - 103
Benzo[k]fluoranthene	0.14		0.749	0.458		mg/Kg	☼	43	43 - 100
Chrysene	0.32		0.749	0.680		mg/Kg	☼	48	44 - 100
Dibenz(a,h)anthracene	0.089		0.749	0.668		mg/Kg	☼	77	46 - 107
Dibenzofuran	0.020	J	0.749	0.441		mg/Kg	☼	56	47 - 100
2,4-Dinitrotoluene	ND		0.749	0.440		mg/Kg	☼	59	48 - 106
1,4-Dioxane	ND		0.749	0.309		mg/Kg	☼	41	10 - 133
Fluoranthene	0.37	F1	0.749	0.672	F1	mg/Kg	☼	40	49 - 102
Fluorene	0.021		0.749	0.438		mg/Kg	☼	56	46 - 100
Hexachlorobenzene	ND		0.749	0.459		mg/Kg	☼	61	45 - 101
Hexachlorobutadiene	ND		0.749	0.406		mg/Kg	☼	54	38 - 110
Hexachloroethane	ND		0.749	0.377		mg/Kg	☼	50	40 - 100
Indeno[1,2,3-cd]pyrene	0.31		0.749	0.879		mg/Kg	☼	76	48 - 104
2-Methylphenol	ND		0.749	0.376		mg/Kg	☼	50	43 - 101
Methylphenol, 3 & 4	ND		0.749	0.401		mg/Kg	☼	54	43 - 104
Naphthalene	0.17		0.749	0.512		mg/Kg	☼	46	43 - 100
Nitrobenzene	ND		0.749	0.438		mg/Kg	☼	58	43 - 107
Pentachlorophenol	ND	F1	1.50	0.232	F1	mg/Kg	☼	15	34 - 112
Phenanthrene	0.14		0.749	0.581		mg/Kg	☼	58	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		0.749	0.413		mg/Kg	☼	55	42 - 103
Pyrene	0.43		0.749	0.815		mg/Kg	☼	51	44 - 102
Pyridine	ND	F1	1.50	0.219	F1	mg/Kg	☼	15	25 - 109
2,4,5-Trichlorophenol	ND		0.749	0.408		mg/Kg	☼	54	47 - 108
2,4,6-Trichlorophenol	ND		0.749	0.423		mg/Kg	☼	56	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*35 - 105*
2-Fluorophenol (Surr)	*55*		*32 - 105*
Nitrobenzene-d5 (Surr)	*57*		*34 - 109*
Phenol-d5 (Surr)	*54*		*34 - 105*
Terphenyl-d14 (Surr)	*56*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 377466

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.011		0.764	0.458		mg/Kg	☼	59	41 - 100	4	22
Acenaphthylene	0.16		0.764	0.613		mg/Kg	☼	59	45 - 100	5	23
Anthracene	0.20		0.764	0.646		mg/Kg	☼	59	47 - 100	4	26
Benzo[a]anthracene	0.32		0.764	0.748		mg/Kg	☼	56	47 - 100	4	24
Benzo[a]pyrene	0.26		0.764	0.667		mg/Kg	☼	54	45 - 101	2	21
Benzo[b]fluoranthene	0.39	F1	0.764	0.733		mg/Kg	☼	45	44 - 100	3	26
Benzo[g,h,i]perylene	0.36		0.764	0.940		mg/Kg	☼	76	45 - 103	4	22
Benzo[k]fluoranthene	0.14		0.764	0.481		mg/Kg	☼	45	43 - 100	5	18
Chrysene	0.32		0.764	0.704		mg/Kg	☼	50	44 - 100	3	26
Dibenz(a,h)anthracene	0.089		0.764	0.698		mg/Kg	☼	80	46 - 107	4	24
Dibenzofuran	0.020	J	0.764	0.441		mg/Kg	☼	55	47 - 100	0	19
2,4-Dinitrotoluene	ND		0.764	0.436		mg/Kg	☼	57	48 - 106	1	20
1,4-Dioxane	ND		0.764	0.326		mg/Kg	☼	43	10 - 133	5	40
Fluoranthene	0.37	F1	0.764	0.740	F1	mg/Kg	☼	48	49 - 102	10	26
Fluorene	0.021		0.764	0.445		mg/Kg	☼	55	46 - 100	2	22
Hexachlorobenzene	ND		0.764	0.457		mg/Kg	☼	60	45 - 101	1	27
Hexachlorobutadiene	ND		0.764	0.415		mg/Kg	☼	54	38 - 110	2	27
Hexachloroethane	ND		0.764	0.382		mg/Kg	☼	50	40 - 100	1	27
Indeno[1,2,3-cd]pyrene	0.31		0.764	0.930		mg/Kg	☼	81	48 - 104	6	22
2-Methylphenol	ND		0.764	0.374		mg/Kg	☼	49	43 - 101	1	27
Methylphenol, 3 & 4	ND		0.764	0.408		mg/Kg	☼	53	43 - 104	2	24
Naphthalene	0.17		0.764	0.512		mg/Kg	☼	45	43 - 100	0	28
Nitrobenzene	ND		0.764	0.450		mg/Kg	☼	59	43 - 107	3	28
Pentachlorophenol	ND	F1	1.53	0.241	F1	mg/Kg	☼	16	34 - 112	4	28
Phenanthrene	0.14		0.764	0.582		mg/Kg	☼	57	46 - 100	0	27
Phenol	ND		0.764	0.415		mg/Kg	☼	54	42 - 103	1	30
Pyrene	0.43		0.764	0.787		mg/Kg	☼	46	44 - 102	4	27
Pyridine	ND	F1	1.53	0.241	F1	mg/Kg	☼	16	25 - 109	10	31
2,4,5-Trichlorophenol	ND		0.764	0.400		mg/Kg	☼	52	47 - 108	2	19

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-129207-15 MSD **Client Sample ID: SSHS-IRM5A2-A1-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 377466 **Prep Batch: 377406**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.764	0.417		mg/Kg	☼	55	47 - 108	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*35 - 105*
2-Fluorophenol (Surr)	*53*		*32 - 105*
Nitrobenzene-d5 (Surr)	*58*		*34 - 109*
Phenol-d5 (Surr)	*53*		*34 - 105*
Terphenyl-d14 (Surr)	*53*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377270/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 377795 **Prep Batch: 377270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/04/21 08:45	11/05/21 13:00	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/04/21 08:45	11/05/21 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*11/04/21 08:45*	*11/05/21 13:00*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*11/04/21 08:45*	*11/05/21 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*127*		*55 - 135*	*11/04/21 08:45*	*11/05/21 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*11/04/21 08:45*	*11/05/21 13:00*	*1*

Lab Sample ID: LCS 180-377270/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 377795 **Prep Batch: 377270**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.31		mg/Kg		98	43 - 136		
PCB-1260			1.33	1.20		mg/Kg		90	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377795

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.53	1.56		mg/Kg	☼	102	43 - 136
PCB-1260	0.045		1.53	1.40		mg/Kg	☼	89	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 377795

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.49	1.51		mg/Kg	☼	101	43 - 136	3	40
PCB-1260	0.045		1.49	1.35		mg/Kg	☼	87	55 - 128	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*

Lab Sample ID: MB 180-377271/1-A
Matrix: Solid
Analysis Batch: 377795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/04/21 09:10	11/05/21 16:47	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/04/21 09:10	11/05/21 16:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*11/04/21 09:10*	*11/05/21 16:47*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/04/21 09:10*	*11/05/21 16:47*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/04/21 09:10*	*11/05/21 16:47*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*11/04/21 09:10*	*11/05/21 16:47*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-377271/3-A
Matrix: Solid
Analysis Batch: 377795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.11		mg/Kg		83	43 - 136		
PCB-1260			1.33	1.11		mg/Kg		83	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-377244/1-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	1.1	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Beryllium	ND		0.40	0.023	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Cadmium	ND		0.50	0.036	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Chromium	ND		0.50	0.41	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Copper	ND		2.5	2.3	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Lead	ND		1.0	0.51	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Manganese	ND		1.5	0.41	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Nickel	ND		4.0	0.25	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Selenium	ND		1.0	0.52	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Silver	ND		0.50	0.11	mg/Kg		11/03/21 10:22	11/04/21 12:50	1
Zinc	ND		2.0	1.6	mg/Kg		11/03/21 10:22	11/04/21 12:50	1

Lab Sample ID: MB 180-377244/1-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/03/21 10:22	11/05/21 10:12	1

Lab Sample ID: LCS 180-377244/2-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377244

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Barium			100	96.8		mg/Kg		97	80 - 120		
Beryllium			50.0	48.3		mg/Kg		97	80 - 120		
Cadmium			50.0	48.2		mg/Kg		96	80 - 120		
Chromium			50.0	47.7		mg/Kg		95	80 - 120		
Copper			50.0	48.9		mg/Kg		98	80 - 120		
Lead			50.0	46.6		mg/Kg		93	80 - 120		
Manganese			50.0	47.5		mg/Kg		95	80 - 120		
Nickel			50.0	47.5		mg/Kg		95	80 - 120		
Selenium			100	96.3		mg/Kg		96	80 - 120		

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-377244/2-A
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	23.5		mg/Kg		94	80 - 120

Lab Sample ID: LCS 180-377244/2-A
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	99.1		mg/Kg		99	80 - 120

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	72		94.0	144		mg/Kg	☼	77	75 - 125
Beryllium	0.33	J	47.0	36.4		mg/Kg	☼	77	75 - 125
Cadmium	0.089	J	47.0	35.5		mg/Kg	☼	75	75 - 125
Chromium	9.6		47.0	47.7		mg/Kg	☼	81	75 - 125
Copper	24		47.0	62.7		mg/Kg	☼	82	75 - 125
Lead	29		47.0	67.0		mg/Kg	☼	80	75 - 125
Manganese	340	F2	47.0	489	4	mg/Kg	☼	317	75 - 125
Nickel	15		47.0	52.0		mg/Kg	☼	79	75 - 125
Selenium	0.51	J F1	94.0	70.0	F1	mg/Kg	☼	74	75 - 125
Silver	ND		23.5	18.6		mg/Kg	☼	79	75 - 125
Zinc	67	F1	23.5	82.5	F1	mg/Kg	☼	64	75 - 125

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	6.3		94.0	79.6		mg/Kg	☼	78	75 - 125

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 377719

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	72		94.0	151		mg/Kg	☼	84	75 - 125	5	20
Beryllium	0.33	J	47.0	37.4		mg/Kg	☼	79	75 - 125	3	20
Cadmium	0.089	J	47.0	37.1		mg/Kg	☼	79	75 - 125	5	20
Chromium	9.6		47.0	47.6		mg/Kg	☼	81	75 - 125	0	20
Copper	24		47.0	63.2		mg/Kg	☼	83	75 - 125	1	20
Lead	29		47.0	66.3		mg/Kg	☼	79	75 - 125	1	20
Manganese	340	F2	47.0	395	4 F2	mg/Kg	☼	117	75 - 125	21	20
Nickel	15		47.0	55.3		mg/Kg	☼	86	75 - 125	6	20
Selenium	0.51	J F1	94.0	73.1		mg/Kg	☼	77	75 - 125	4	20
Silver	ND		23.5	18.5		mg/Kg	☼	79	75 - 125	0	20
Zinc	67	F1	23.5	83.7	F1	mg/Kg	☼	69	75 - 125	1	20

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 377996

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	6.3		94.0	81.6		mg/Kg	☼	80	75 - 125	3	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-377691/1-A
Matrix: Solid
Analysis Batch: 377840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/04/21 15:12	11/05/21 11:37	1

Lab Sample ID: LCS 180-377691/2-A
Matrix: Solid
Analysis Batch: 377840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.398		mg/Kg		95	80 - 120

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377840

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.073	F1	0.159	0.268	F1	mg/Kg	☼	123	80 - 120

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 377840

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.073	F1	0.157	0.234		mg/Kg	☼	103	80 - 120	13	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-129207-3 DU
Matrix: Solid
Analysis Batch: 377391

Client Sample ID: SSHS-IRM5A2-A1-A36C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.2		13.2		%		0.09	10
Percent Solids	86.8		86.8		%		0	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-377500/1-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/03/21 11:30	11/06/21 18:26	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-377500/3-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	708		mg/Kg		100	80 - 120

Lab Sample ID: LCSS 180-377500/2-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.1		mg/Kg		91	80 - 120

Lab Sample ID: 180-129207-15 MSI
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		812	654		mg/Kg	☼	81	75 - 125

Lab Sample ID: 180-129207-15 MSS
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		23.0	17.6		mg/Kg	☼	76	75 - 125

Lab Sample ID: 180-129207-15 DU
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-377507/4-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/03/21 16:45	11/04/21 15:11	1

Lab Sample ID: HLCS 180-377507/2-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377507

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.256		mg/Kg		103	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-377507/3-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			23.1	18.8		mg/Kg		81	17 - 163		

Lab Sample ID: LLCS 180-377507/1-A
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377507

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0503		mg/Kg		101	90 - 110		

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		4.78	4.63		mg/Kg	☼	97	75 - 125		

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 377704

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 377507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		4.99	4.99		mg/Kg	☼	100	75 - 125	7	20

GC/MS VOA

Prep Batch: 377282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-1	SSHS-IRM5A2-A1-A36A	Total/NA	Solid	5035	
180-129207-2	SSHS-IRM5A2-A1-A36B	Total/NA	Solid	5035	
180-129207-4	SSHS-IRM5A2-A1-A37A	Total/NA	Solid	5035	
180-129207-5	SSHS-IRM5A2-A1-A37B	Total/NA	Solid	5035	
180-129207-7	SSHS-IRM5A2-A1-A38A	Total/NA	Solid	5035	
180-129207-8	SSHS-IRM5A2-A1-A38B	Total/NA	Solid	5035	
180-129207-10	SSHS-IRM5A2-A1-A39A	Total/NA	Solid	5035	
180-129207-11	SSHS-IRM5A2-A1-A39B	Total/NA	Solid	5035	
180-129207-14	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	5035	
180-129207-16	SSHS-IRM5A2-A1-DUP4A	Total/NA	Solid	5035	
180-129207-17	SSHS-IRM5A2-A1-DUP4B	Total/NA	Solid	5035	
180-129207-13 MS	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	5035	
180-129207-13 MSD	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	5035	
180-129207-14 MS	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	5035	
180-129207-14 MSD	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	5035	

Analysis Batch: 377286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-1	SSHS-IRM5A2-A1-A36A	Total/NA	Solid	EPA 8260C	377282
180-129207-2	SSHS-IRM5A2-A1-A36B	Total/NA	Solid	EPA 8260C	377282
180-129207-4	SSHS-IRM5A2-A1-A37A	Total/NA	Solid	EPA 8260C	377282
180-129207-5	SSHS-IRM5A2-A1-A37B	Total/NA	Solid	EPA 8260C	377282
180-129207-7	SSHS-IRM5A2-A1-A38A	Total/NA	Solid	EPA 8260C	377282
180-129207-8	SSHS-IRM5A2-A1-A38B	Total/NA	Solid	EPA 8260C	377282
180-129207-10	SSHS-IRM5A2-A1-A39A	Total/NA	Solid	EPA 8260C	377282
180-129207-11	SSHS-IRM5A2-A1-A39B	Total/NA	Solid	EPA 8260C	377282
MB 180-377286/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377286/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377286/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-129207-13 MS	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	EPA 8260C	377282
180-129207-13 MSD	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	EPA 8260C	377282

Analysis Batch: 377560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-1 - RA	SSHS-IRM5A2-A1-A36A	Total/NA	Solid	EPA 8260C	377656
180-129207-10 - RA	SSHS-IRM5A2-A1-A39A	Total/NA	Solid	EPA 8260C	377656
180-129207-13	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	EPA 8260C	377656
180-129207-14	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	EPA 8260C	377282
180-129207-16	SSHS-IRM5A2-A1-DUP4A	Total/NA	Solid	EPA 8260C	377282
180-129207-17	SSHS-IRM5A2-A1-DUP4B	Total/NA	Solid	EPA 8260C	377282
MB 180-377560/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-377560/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-377560/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-129207-14 MS	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	EPA 8260C	377282
180-129207-14 MSD	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	EPA 8260C	377282

Prep Batch: 377656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-1 - RA	SSHS-IRM5A2-A1-A36A	Total/NA	Solid	5035	
180-129207-10 - RA	SSHS-IRM5A2-A1-A39A	Total/NA	Solid	5035	
180-129207-13	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	5035	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-1

GC/MS Semi VOA

Prep Batch: 377406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	3541	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	3541	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	3541	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	3541	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3541	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	3541	
MB 180-377406/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377406/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3541	
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3541	

Analysis Batch: 377413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 8270D LL	377406
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 8270D LL	377406

Analysis Batch: 377466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 8270D LL	377406
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 8270D LL	377406
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 8270D LL	377406
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 8270D LL	377406
MB 180-377406/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	377406
LCS 180-377406/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	377406
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 8270D LL	377406
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 8270D LL	377406

GC Semi VOA

Prep Batch: 377270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3541	
MB 180-377270/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377270/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3541	
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3541	

Prep Batch: 377271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	3541	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	3541	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	3541	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	3541	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	3541	
MB 180-377271/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377271/3-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 377788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3665A	377270
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3665A	377270

GC Semi VOA (Continued)

Cleanup Batch: 377788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3665A	377270

Cleanup Batch: 377789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3660B	377788
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3660B	377788
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3660B	377788

Analysis Batch: 377795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 8082A	377826
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 8082A	377826
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 8082A	377826
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 8082A	377826
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 8082A	377789
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 8082A	377826
MB 180-377270/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377270
MB 180-377271/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377271
LCS 180-377270/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377270
LCS 180-377271/3-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377271
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 8082A	377789
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 8082A	377789

Cleanup Batch: 377825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	3665A	377271
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	3665A	377271
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	3665A	377271
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	3665A	377271
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	3665A	377271

Cleanup Batch: 377826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	3660B	377825
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	3660B	377825
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	3660B	377825
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	3660B	377825
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	3660B	377825

Metals

Prep Batch: 377244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	3050B	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	3050B	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	3050B	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	3050B	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3050B	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	3050B	
MB 180-377244/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-377244/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 377244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3050B	
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3050B	

Prep Batch: 377691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	7471B	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	7471B	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	7471B	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	7471B	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	7471B	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	7471B	
MB 180-377691/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-377691/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	7471B	
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	7471B	

Analysis Batch: 377719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 6010C	377244
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 6010C	377244
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 6010C	377244
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 6010C	377244
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 6010C	377244
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 6010C	377244
MB 180-377244/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377244
LCS 180-377244/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377244
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 6010C	377244
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 6010C	377244

Analysis Batch: 377840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 7471B	377691
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 7471B	377691
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 7471B	377691
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 7471B	377691
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7471B	377691
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 7471B	377691
MB 180-377691/1-A	Method Blank	Total/NA	Solid	EPA 7471B	377691
LCS 180-377691/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	377691
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7471B	377691
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7471B	377691

Analysis Batch: 377996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 6010C	377244
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 6010C	377244
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 6010C	377244
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 6010C	377244
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 6010C	377244
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 6010C	377244
MB 180-377244/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377244

Metals (Continued)

Analysis Batch: 377996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-377244/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377244
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 6010C	377244
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 6010C	377244

General Chemistry

Analysis Batch: 377391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-1	SSHS-IRM5A2-A1-A36A	Total/NA	Solid	2540G	
180-129207-2	SSHS-IRM5A2-A1-A36B	Total/NA	Solid	2540G	
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	2540G	
180-129207-4	SSHS-IRM5A2-A1-A37A	Total/NA	Solid	2540G	
180-129207-5	SSHS-IRM5A2-A1-A37B	Total/NA	Solid	2540G	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	2540G	
180-129207-7	SSHS-IRM5A2-A1-A38A	Total/NA	Solid	2540G	
180-129207-8	SSHS-IRM5A2-A1-A38B	Total/NA	Solid	2540G	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	2540G	
180-129207-10	SSHS-IRM5A2-A1-A39A	Total/NA	Solid	2540G	
180-129207-11	SSHS-IRM5A2-A1-A39B	Total/NA	Solid	2540G	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	2540G	
180-129207-13	SSHS-IRM5A2-A1-A40A	Total/NA	Solid	2540G	
180-129207-14	SSHS-IRM5A2-A1-A40B	Total/NA	Solid	2540G	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	2540G	
180-129207-16	SSHS-IRM5A2-A1-DUP4A	Total/NA	Solid	2540G	
180-129207-17	SSHS-IRM5A2-A1-DUP4B	Total/NA	Solid	2540G	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	2540G	
180-129207-3 DU	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	2540G	

Prep Batch: 377500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	3060A	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	3060A	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	3060A	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	3060A	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3060A	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	3060A	
MB 180-377500/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-129207-15 MSI	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3060A	
180-129207-15 MSS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3060A	
180-129207-15 DU	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	3060A	

Prep Batch: 377507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	9010C	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	9010C	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	9010C	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	9010C	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	9010C	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 377507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-377507/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377507/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377507/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-377507/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	9010C	
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	9010C	

Analysis Batch: 377704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 9014	377507
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 9014	377507
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 9014	377507
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 9014	377507
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 9014	377507
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 9014	377507
MB 180-377507/4-A	Method Blank	Total/NA	Solid	EPA 9014	377507
HLCS 180-377507/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377507
LCS 180-377507/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377507
LLCS 180-377507/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377507
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 9014	377507
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 9014	377507

Analysis Batch: 377958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	EPA 7196A	377500
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	EPA 7196A	377500
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	EPA 7196A	377500
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	EPA 7196A	377500
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7196A	377500
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	EPA 7196A	377500
MB 180-377500/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377500
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500
180-129207-15 MSI	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7196A	377500
180-129207-15 MSS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7196A	377500
180-129207-15 DU	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	EPA 7196A	377500

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A36A	10/28/21	1046	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A36B	10/28/21	1047	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A36C	10/28/21	1045	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A37A	10/28/21	1101	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37B	10/28/21	1102	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37C	10/28/21	1100	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A38A	10/28/21	1116	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38B	10/28/21	1117	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38C	10/28/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A39A	10/28/21	1251	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A39B	10/28/21	1252	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Mo

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				10/29/21 1015	EAPitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-129207 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A39C	10/28/21	1250	C	S	N	N		X	X	X	X	X	X	X					5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A40A	10/28/21	1331	G	S	N	Y	X												12	
SSHS-IRM5A2-A1-A40B	10/28/21	1332	G	S	N	Y	X												12	
SSHS-IRM5A2-A1-A40C	10/28/21	1330	C	S	N	Y		X	X	X	X	X	X	X					10	
SSHS-IRM5A2-A1-DUP4A	10/28/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP4B	10/28/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP4C	10/28/21		C	S	N	N		X	X	X	X	X	X	X					5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:					
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

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City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129207 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A36A	10/28/21	1046	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A36B	10/28/21	1047	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A36C	10/28/21	1045	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A37A	10/28/21	1101	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37B	10/28/21	1102	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37C	10/28/21	1100	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A38A	10/28/21	1116	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38B	10/28/21	1117	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38C	10/28/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A39A	10/28/21	1251	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A39B	10/28/21	1252	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
*					10/28/21 1630	EST Sac
	Relinquished by	Date/Time	Company	Received by	Date/Time: 10/29/21	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

* Not fully relinquished 10/29/21

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Tracking # : 7750 1254 7846

Job: 180-129207 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 005 Corr. Factor: (+ / -) N/A °C

Ice ____ Wet ✓ Gel ____ Other ____

Cooler Custody Seal: 1771122

Cooler ID: —

Temp Observed: 6.0 °C Corrected: 6.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 10/29/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: IB Date: 10/29/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: DH Date: 10/29/21

eurofins | Environment Testing TestAmerica

1771122

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 28OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832
INV: 01
PO: 17 DEPT: 1751

56DJ3/14BA/FE4A

FedEx Express

FedEx Ship Manager - Print Your Label(s)

FRI - 29 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7750 1254 7816

95605
CA-US SMF

XH BLUA

1771122

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Custody Seal

DATE 10.23.2

SIGNATURE

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129207-1

Login Number: 129207
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129327-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/9/2021 10:50:35 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Job ID: 180-129327-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129327-2

Comments
Due to FEDEX shipment delay, the cooler sent to the Sacramento laboratory was received one day late on 11/3/21.

Notation was made to the coc regarding collection times of the composite samples.

Receipt
The samples were received on 11/2 and 3/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 1.5º C and 1.6º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Job ID: 180-129327-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129327-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129327-3	SSHS-IRM5A2-A1-A41C	Solid	11/01/21 13:50	11/02/21 10:00
180-129327-6	SSHS-IRM5A2-A1-A42C	Solid	11/01/21 14:30	11/02/21 10:00
180-129327-9	SSHS-IRM5A2-A1-A43C	Solid	11/01/21 15:30	11/02/21 10:00
180-129327-12	SSHS-IRM5A2-A1-A44C	Solid	11/01/21 15:30	11/02/21 10:00
180-129327-15	SSHS-IRM5A2-A1-A45C	Solid	11/01/21 16:11	11/02/21 10:00
180-129327-18	SSHS-IRM5A2-A1-A46C	Solid	11/01/21 16:50	11/02/21 10:00
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Solid	11/01/21 00:00	11/02/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-A41C
Lab Sample ID: 180-129327-3
Date Collected: 11/01/21 13:50
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 10:06	MNV	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A1-A42C
Lab Sample ID: 180-129327-6
Date Collected: 11/01/21 14:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 10:16	MNV	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A1-A43C
Lab Sample ID: 180-129327-9
Date Collected: 11/01/21 15:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.30 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 10:27	MNV	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A1-A44C
Lab Sample ID: 180-129327-12
Date Collected: 11/01/21 15:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 10:37	MNV	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A1-A45C
Lab Sample ID: 180-129327-15
Date Collected: 11/01/21 16:11
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.49 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 10:48	MNV	TAL SAC
	Instrument ID: A9									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-A46C

Lab Sample ID: 180-129327-18
Date Collected: 11/01/21 16:50
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 10:58	MNV	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A1-DUP5C

Lab Sample ID: 180-129327-21
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	540158	11/04/21 18:26	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			540267	11/05/21 11:08	MNV	TAL SAC
	Instrument ID: A9									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

MNV = Mai Neng Vang

Client Sample ID: SSHS-IRM5A2-A1-A41C
Date Collected: 11/01/21 13:50
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-3
Matrix: Solid
Percent Solids: 90.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/04/21 18:26	11/05/21 10:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C5 PFPeA	*91*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C2 PFHxA	*89*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C4 PFHpA	*82*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C4 PFOA	*87*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C5 PFNA	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C2 PFDA	*85*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C2 PFDoA	*97*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C3 PFBS	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
18O2 PFHxS	*70*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C4 PFOS	*83*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
M2-6:2 FTS	*63*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*
M2-8:2 FTS	*72*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:06*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A42C
Lab Sample ID: 180-129327-6

Date Collected: 11/01/21 14:30
Matrix: Solid

Date Received: 11/02/21 10:00
Percent Solids: 88.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.052	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.049	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C5 PFPeA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C2 PFHxA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C4 PFHpA	*85*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C4 PFOA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C5 PFNA	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C2 PFUnA	*97*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C2 PFDoA	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C3 PFBS	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
18O2 PFHxS	*79*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C4 PFOS	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
d5-NEtFOSAA	*118*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*
M2-8:2 FTS	*82*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:16*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-A43C
Date Collected: 11/01/21 15:30
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-9
Matrix: Solid
Percent Solids: 91.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/04/21 18:26	11/05/21 10:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C5 PFPeA	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C2 PFHxA	*87*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C4 PFHpA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C4 PFOA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C2 PFDA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C2 PFUnA	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C2 PFDoA	*99*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C3 PFBS	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
18O2 PFHxS	*81*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C4 PFOS	*85*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:27*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-A44C
Date Collected: 11/01/21 15:30
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-12
Matrix: Solid
Percent Solids: 90.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/04/21 18:26	11/05/21 10:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C5 PFPeA	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C2 PFHxA	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C4 PFHpA	*83*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C4 PFOA	*89*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C5 PFNA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C2 PFDA	*87*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C2 PFUnA	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C2 PFDoA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C3 PFBS	*91*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
18O2 PFHxS	*74*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C4 PFOS	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
13C8 FOSA	*82*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:37*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-A45C
Date Collected: 11/01/21 16:11
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-15
Matrix: Solid
Percent Solids: 89.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	11/04/21 18:26	11/05/21 10:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C5 PFPeA	*93*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C2 PFHxA	*89*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C4 PFHpA	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C4 PFOA	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C5 PFNA	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C2 PFDA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C2 PFUnA	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C2 PFDoA	*103*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C3 PFBS	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
18O2 PFHxS	*76*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C4 PFOS	*81*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
13C8 FOSA	*85*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
d5-NEtFOSAA	*111*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:48*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-A46C
Date Collected: 11/01/21 16:50
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-18
Matrix: Solid
Percent Solids: 87.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.033	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.046	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/04/21 18:26	11/05/21 10:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C5 PFPeA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C2 PFHxA	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C4 PFHpA	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C4 PFOA	*90*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C5 PFNA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C2 PFDA	*91*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C2 PFUnA	*97*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C2 PFDoA	*101*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C3 PFBS	*93*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
18O2 PFHxS	*74*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C4 PFOS	*87*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
13C8 FOSA	*90*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
M2-6:2 FTS	*65*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*11/04/21 18:26*	*11/05/21 10:58*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Client Sample ID: SSHS-IRM5A2-A1-DUP5C
Date Collected: 11/01/21 00:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-21
Matrix: Solid
Percent Solids: 90.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/04/21 18:26	11/05/21 11:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C5 PFPeA	*92*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C2 PFHxA	*87*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C4 PFHpA	*80*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C4 PFOA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C5 PFNA	*91*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C2 PFDA	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C2 PFUnA	*97*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C2 PFDoA	*101*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C3 PFBS	*89*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
18O2 PFHxS	*76*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C4 PFOS	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
13C8 FOSA	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
d5-NEtFOSAA	*107*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
M2-6:2 FTS	*64*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*
M2-8:2 FTS	*76*		*25 - 150*	*11/04/21 18:26*	*11/05/21 11:08*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-540158/1-A
Matrix: Solid
Analysis Batch: 540267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/04/21 18:26	11/05/21 09:45	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/04/21 18:26	11/05/21 09:45	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C5 PFPeA	*89*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C2 PFHxA	*84*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C4 PFHpA	*81*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C4 PFOA	*81*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C5 PFNA	*88*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C2 PFDA	*83*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C2 PFUnA	*90*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C2 PFDoA	*94*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C3 PFBS	*100*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
18O2 PFHxS	*77*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C4 PFOS	*85*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
13C8 FOSA	*85*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*11/04/21 18:26*	*11/05/21 09:45*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540158/2-A
Matrix: Solid
Analysis Batch: 540267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.87		ug/Kg		94	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.83		ug/Kg		91	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.59		ug/Kg		80	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.03		ug/Kg		101	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.78		ug/Kg		89	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.78		ug/Kg		89	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.79		ug/Kg		89	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.80		ug/Kg		90	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.77		ug/Kg		89	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.55		ug/Kg		77	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.46		ug/Kg		83	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.69		ug/Kg		93	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.56		ug/Kg		82	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.64		ug/Kg		89	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.67		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.04		ug/Kg		102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.91		ug/Kg		96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.72		ug/Kg		86	72 - 132
6:2 FTS	1.90	1.68		ug/Kg		88	73 - 139
8:2 FTS	1.92	1.74		ug/Kg		91	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*74*		*25 - 150*
13C5 PFPeA	*85*		*25 - 150*
13C2 PFHxA	*87*		*25 - 150*
13C4 PFHpA	*75*		*25 - 150*
13C4 PFOA	*79*		*25 - 150*
13C5 PFNA	*83*		*25 - 150*
13C2 PFDA	*85*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*89*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*93*		*25 - 150*
18O2 PFHxS	*72*		*25 - 150*
13C4 PFOS	*81*		*25 - 150*
13C8 FOSA	*77*		*25 - 150*
d3-NMeFOSAA	*94*		*25 - 150*
d5-NEtFOSAA	*103*		*25 - 150*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540158/2-A
Matrix: Solid
Analysis Batch: 540267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540158

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	70		25 - 150
M2-8:2 FTS	76		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-2

LCMS

Prep Batch: 540158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	SHAKE	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	SHAKE	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	SHAKE	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	SHAKE	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	SHAKE	
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	SHAKE	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	SHAKE	
MB 320-540158/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-540158/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 540267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	537 (modified)	540158
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	537 (modified)	540158
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	537 (modified)	540158
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	537 (modified)	540158
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	537 (modified)	540158
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	537 (modified)	540158
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	537 (modified)	540158
MB 320-540158/1-A	Method Blank	Total/NA	Solid	537 (modified)	540158
LCS 320-540158/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	540158

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 410-381-4333	WO #:			Other:
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

composite sample collection times noted below
as discussed with Miranda Stelmach
D. Dunlap 11/9/21

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A41A	11/1/21	1400	G	S	N	N	X								4	Containers for PFAS (2 pe sent directly to Eurofins S
SSHS-IRM5A2-A1-A41B	11/1/21	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A41C collection time = 13:50	11/1/21	1400	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A42A	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42B	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42C collection time = 14:30	11/1/21	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A43A	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43B	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43C collection time = 15:30	11/1/21	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A44A	11/1/21	1545	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A44B	11/1/21	1545	G	S	N	N	X								4	

180-129326 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/1/21 1730			11/2/21 1000	ERA Pgh
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Due Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

composite sample collection times noted below as discussed with Miranda Stelmach
D. Dunlap 11/9/21

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A44C collection time = 15:30	11/1/21	1545	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A45A	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45B	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45C collection time = 16:11	11/1/21	1620	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A46A	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46B	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46C collection time = 16:50	11/1/21	1700	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP5A	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5B	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5C	11/1/21		C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		11/1/21 1730			11/2/21 1000	EMPL
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

1-3/1-21

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 day		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A41A	11/1/21	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A41B	11/1/21	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A41C	11/1/21	1400	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A42A	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42B	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42C	11/1/21	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A43A	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43B	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43C	11/1/21	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A44A	11/1/21	1545	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A44B	11/1/21	1545	G	S	N	N	X								4	

180-129327 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11/1/21 17:30			11/2/21 10:20 AM	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A44C	11/1/21	1545	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A45A	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45B	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45C	11/1/21	1620	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A46A	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46B	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46C	11/1/21	1700	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP5A	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5B	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5C	11/1/21		C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/1/21 1730			11/2/21 10:20 a.m	E+A
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Geosyntec Consultants Inc Site Name _____ Cooler unpacked by: Matthew Swan

Cooler Received on 11/2/21 Opened on 11/2/21

FedEx: 1st Grd (Exp) UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 1.3 °C Corrected Cooler Temp. 1.4 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

11/9/2021

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 32
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129327 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A41A	11/1/21	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A41B	11/1/21	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A41C	11/1/21	1400	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A42A	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42B	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42C	11/1/21	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A43A	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43B	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43C	11/1/21	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A44A	11/1/21	1545	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A44B	11/1/21	1545	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		11/1/21 1730			11-3-21 1035	EE15c
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1795251	Cooler Temperature(s) °C and Other Remarks: 1.5

• - Incorrect Sample Time

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

11/9/2021

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (tarnscore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A44C	11/1/21	1545	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A45A	11/1/21	1620	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A45B	11/1/21	1620	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A45C	11/1/21	1620	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A46A	11/1/21	1700	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A46B	11/1/21	1700	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A46C	11/1/21	1700	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-DUP5A	11/1/21		C	S	N	N	X								4	
SSHS-IRM5A2-A1-DUP5B	11/1/21		C	S	N	N	X								4	
SSHS-IRM5A2-A1-DUP5C	11/1/21		C	S	N	N		X	X	X	X	X	X	X	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time: 11/1/21/1730	Company	Received by:	Date/Time: 11-3-21 1035	Company EE&Sec
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1795251 | Cooler Temperature(s) °C and Other Remarks: 1.5

• - Incorrect Sample time. D 11/3/21

Ver: 01/16/2019

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Sacramento Sample Receiving Notes



Job: _____

Tracking # : 7750 8721 9838

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 601 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1795251

Cooler ID: _____

Temp Observed: 1.5 °C Corrected: 1.5 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 11-3-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LD Date: 11/3/21

Notes: Samples have incorrect Sample times. Time do not match with COC.

JS 11/3/21

Job# 180-129327

#3D,3E #6D,6E

#9D,9E #12D,12E

#15D,15E #18D,18E

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: LD Date: 11/3/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129327-2

Login Number: 129327
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129327-2

Login Number: 129327
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/03/21 05:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1795251
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129393-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/9/2021 11:12:03 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Job ID: 180-129393-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129393-2

Comments
Due to FEDEX shipment delay, the coolers sent to the Pittsburgh and Sacramento laboratories were received one day late on 11/4/21.

Notation was made to the coc regarding a sample collection time and a correction to an ID.

Receipt
The samples were received on 11/3 and 4/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.1º C, 3.1º C, 3.6º C and 3.8º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits for the following sample: SSHS-IRM5A2-A1-A47C (180-129393-3). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129393-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129393-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129393-3	SSHS-IRM5A2-A1-A47C	Solid	11/02/21 09:15	11/03/21 10:10
180-129393-6	SSHS-IRM5A2-A1-A48C	Solid	11/02/21 10:00	11/03/21 10:10
180-129393-9	SSHS-IRM5A2-A1-A49C	Solid	11/02/21 10:45	11/03/21 10:10
180-129393-12	SSHS-IRM5A2-A1-A50C	Solid	11/02/21 11:15	11/03/21 10:10
180-129393-15	SSHS-IRM5A2-A1-A51C	Solid	11/02/21 16:45	11/03/21 10:10
180-129393-18	SSHS-IRM5A2-A1-A52C	Solid	11/02/21 16:30	11/03/21 10:10

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A47C

Lab Sample ID: 180-129393-3
Date Collected: 11/02/21 09:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:17	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A48C

Lab Sample ID: 180-129393-6
Date Collected: 11/02/21 10:00
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:27	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A49C

Lab Sample ID: 180-129393-9
Date Collected: 11/02/21 10:45
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.51 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:37	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A50C

Lab Sample ID: 180-129393-12
Date Collected: 11/02/21 11:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:47	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A51C

Lab Sample ID: 180-129393-15
Date Collected: 11/02/21 16:45
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:57	K1S	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A52C
Date Collected: 11/02/21 16:30
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-18
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.53 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:07	K1S	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A47C
Date Collected: 11/02/21 09:15
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-3
Matrix: Solid
Percent Solids: 87.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.096**	**J**	0.21	0.049	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoropentanoic acid (PFPeA)	**0.044**	**J**	0.21	0.044	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorohexanoic acid (PFHxA)	**0.033**	**J**	0.21	0.033	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorooctanoic acid (PFOA)	**0.12**	**J**	0.21	0.056	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorononanoic acid (PFNA)	**0.028**	**J**	0.21	0.023	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorooctanesulfonic acid (PFOS)	**0.17**	**J I**	0.21	0.046	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C5 PFPeA	*93*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFHxA	*94*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C4 PFHpA	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C4 PFOA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C5 PFNA	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFDA	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFUnA	*92*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFDoA	*78*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFTeDA	*59*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C3 PFBS	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
18O2 PFHxS	*94*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C4 PFOS	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C8 FOSA	*94*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
d3-NMeFOSAA	*108*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A48C
Date Collected: 11/02/21 10:00
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-6
Matrix: Solid
Percent Solids: 90.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/05/21 11:53	11/07/21 01:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C5 PFPeA	*106*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C2 PFHxA	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C4 PFHpA	*108*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C4 PFOA	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C5 PFNA	*106*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C2 PFDA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C2 PFUnA	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C2 PFDoA	*93*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C3 PFBS	*95*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
18O2 PFHxS	*95*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C4 PFOS	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
13C8 FOSA	*97*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:27*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A49C
Date Collected: 11/02/21 10:45
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-9
Matrix: Solid
Percent Solids: 90.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	11/05/21 11:53	11/07/21 01:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C5 PFPeA	*97*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C2 PFHxA	*95*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C4 PFHpA	*103*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C4 PFOA	*103*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C5 PFNA	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C2 PFDA	*95*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C2 PFUnA	*93*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C2 PFDoA	*92*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C3 PFBS	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
18O2 PFHxS	*92*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C4 PFOS	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
13C8 FOSA	*93*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:37*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A50C
Date Collected: 11/02/21 11:15
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-12
Matrix: Solid
Percent Solids: 91.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	11/05/21 11:53	11/07/21 01:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C5 PFPeA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C2 PFHxA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C4 PFHpA	*103*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C4 PFOA	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C5 PFNA	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C2 PFDA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C2 PFUnA	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C2 PFDoA	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C3 PFBS	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
18O2 PFHxS	*85*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C4 PFOS	*91*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:47*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A51C
Date Collected: 11/02/21 16:45
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-15
Matrix: Solid
Percent Solids: 90.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C5 PFPeA	*107*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C2 PFHxA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C4 PFHpA	*106*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C4 PFOA	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C5 PFNA	*103*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C2 PFDA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C2 PFUnA	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C2 PFDoA	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C3 PFBS	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
18O2 PFHxS	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C4 PFOS	*103*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
13C8 FOSA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
d3-NMeFOSAA	*104*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:57*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

Client Sample ID: SSHS-IRM5A2-A1-A52C
Date Collected: 11/02/21 16:30
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-18
Matrix: Solid
Percent Solids: 92.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.021	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.020	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.022	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
6:2 FTS	ND		0.20	0.026	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	11/05/21 11:53	11/07/21 01:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C5 PFPeA	*104*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C2 PFHxA	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C4 PFHpA	*109*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C4 PFOA	*104*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C5 PFNA	*108*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C2 PFDA	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C2 PFUnA	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C2 PFDoA	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C3 PFBS	*110*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
18O2 PFHxS	*104*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C4 PFOS	*104*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
13C8 FOSA	*97*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
M2-6:2 FTS	*104*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-540300/1-A
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/05/21 11:53	11/07/21 00:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C5 PFPeA	*119*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFHxA	*114*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C4 PFHpA	*123*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C4 PFOA	*122*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C5 PFNA	*120*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFDA	*111*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFUnA	*111*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFDoA	*113*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C3 PFBS	*131*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
18O2 PFHxS	*121*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C4 PFOS	*121*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C8 FOSA	*109*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
d3-NMeFOSAA	*124*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
d5-NEtFOSAA	*120*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
M2-6:2 FTS	*123*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
M2-8:2 FTS	*119*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540300/2-A
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.85		ug/Kg		93	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.79		ug/Kg		89	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.87		ug/Kg		93	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.79		ug/Kg		90	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.96		ug/Kg		98	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.92		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.97		ug/Kg		98	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.85		ug/Kg		93	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.95		ug/Kg		97	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.86		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.49		ug/Kg		84	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.68		ug/Kg		92	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.62		ug/Kg		85	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.68		ug/Kg		90	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.61		ug/Kg		83	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.70		ug/Kg		85	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.94		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.74		ug/Kg		92	73 - 139
8:2 FTS	1.92	1.88		ug/Kg		98	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*99*		*25 - 150*
13C5 PFPeA	*109*		*25 - 150*
13C2 PFHxA	*103*		*25 - 150*
13C4 PFHpA	*117*		*25 - 150*
13C4 PFOA	*105*		*25 - 150*
13C5 PFNA	*111*		*25 - 150*
13C2 PFDA	*101*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*101*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*116*		*25 - 150*
18O2 PFHxS	*107*		*25 - 150*
13C4 PFOS	*117*		*25 - 150*
13C8 FOSA	*99*		*25 - 150*
d3-NMeFOSAA	*109*		*25 - 150*
d5-NEtFOSAA	*105*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540300/2-A
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540300

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	105		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-2

LCMS

Prep Batch: 540300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	SHAKE	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	SHAKE	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	SHAKE	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	SHAKE	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	SHAKE	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	SHAKE	
MB 320-540300/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-540300/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 540722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	537 (modified)	540300
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	537 (modified)	540300
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	537 (modified)	540300
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	537 (modified)	540300
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	537 (modified)	540300
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	537 (modified)	540300
MB 320-540300/1-A	Method Blank	Total/NA	Solid	537 (modified)	540300
LCS 320-540300/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	540300

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A47A	11/2/21	0930	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A47B	11/2/21	0930	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A47C	11/2/21	0915	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A48A	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48B	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48C	11/2/21	1000	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A49A	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49B	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49C	11/2/21	1045	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A50A	11/2/21	1120	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A50B	11/2/21	1120	G	S	N	N	X													4	

180-129393 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 m
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
mary kate Dempsey	11/2/2021 1730			ETA Pitt 11/4/21	945 ETA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A50C	11/2/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A51A	11/2/21	1600	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A51B	11/2/21	1600	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A51C collection time is 16:45 as per Miranda Stelmach, D. Dunlap 11/5/21	11/2/21	1640	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A52A	11/2/21	1640	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A52B	11/2/21	1640	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A51C ID is A52C as per Miranda Stelmach D. Dunlap 11/5/21	11/2/21	1630	C	S	N	N		X	X	X	X	X	X	X	5	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				[signature]	11/4/21 995	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

3-7/38

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A47A	11/2/21	0930	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A47B	11/2/21	0930	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A47C	11/2/21	0915	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A48A	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48B	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48C	11/2/21	1000	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A49A	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49B	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49C	11/2/21	1045	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A50A	11/2/21	1120	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A50B	11/2/21	1120	G	S	N	N	X													4	

180-129393 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	11/2/2021 1730		Danny Boyer	11-3-21 1010	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Page 22 of 29

11/9/2021

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A50C	11/2/21	1115	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A51A	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51B	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1640	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A52A	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A52B	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1630	C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Tammy Power	11-3-21 - 1000	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Geosyntec Site Name _____ Cooler unpacked by: Tammy Dyer

Cooler Received on 11-3-21 Opened on 11-3-21

FedEx: 1st Grd (Exp) UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 3.7 °C Corrected Cooler Temp. 3.8 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y) (Y)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No (NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
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Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129393 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
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SSHS-IRM5A2-A1-A47A	11/2/21	0930	G	S	N	N	X														4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
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SSHS-IRM5A2-A1-A47C	11/2/21	0915	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A1-A48A	11/2/21	1015	G	S	N	N	X														4	
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SSHS-IRM5A2-A1-A49C	11/2/21	1045	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A1-A50A	11/2/21	1120	G	S	N	N	X														4	
SSHS-IRM5A2-A1-A50B	11/2/21	1120	G	S	N	N	X														4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Mary Kate Dempsey	11/2/2021 1730			11-4-21 1030	EFSac
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
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Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A50C	11/2/21	1115	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A51A	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51B	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1640	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A52A	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A52B	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1630	C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				11-4-21 1030	EEA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Δ - Incorrect Sample Time 16:45 B 11/4/21

Ver: 01/16/2019

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11/9/2021

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Sacramento
Sample Receiving Notes

Tracking # : 7750 8724 9513

180-129393 Field Sheet

Job:

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 607 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: –

Cooler ID: –

Temp Observed: 3.1 °C Corrected: 3.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 11-4-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DB Date: 11/4/21

Notes: Samples have Incorrect Sample Times. Does not match with COC. Job # 180-129393 #15B, 15F 15:45

Lab Time - 15:40

DB 11/4/21

COC 2/2 Relinquished.

DB 11/4/21

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☐	☐	☒

Initials: DB Date: 11/4/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129393-2

Login Number: 129393
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129393-2

Login Number: 129393
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/04/21 06:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129462-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/9/2021 11:28:34 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-2

Job ID: 180-129462-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129462-2

Receipt
The samples were received on 11/4/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0º C, 1.0º C, 1.6º C and 4.2º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits for the following sample: SSHS-IRM5A2-A1-A54C (180-129462-6). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129462-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129462-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-129462-2
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129462-3	SSHS-IRM5A2-A1-A53C	Solid	11/03/21 13:35	11/04/21 09:45
180-129462-6	SSHS-IRM5A2-A1-A54C	Solid	11/03/21 16:05	11/04/21 09:45

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-2

Client Sample ID: SSHS-IRM5A2-A1-A53C

Lab Sample ID: 180-129462-3
Date Collected: 11/03/21 13:35
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:17	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A54C

Lab Sample ID: 180-129462-6
Date Collected: 11/03/21 16:05
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.0 mL	540300	11/05/21 11:53	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			540722	11/07/21 01:48	K1S	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-2

Client Sample ID: SSHS-IRM5A2-A1-A53C
Date Collected: 11/03/21 13:35
Date Received: 11/04/21 09:45

Lab Sample ID: 180-129462-3
Matrix: Solid
Percent Solids: 91.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C5 PFPeA	*106*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFHxA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C4 PFHpA	*108*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C4 PFOA	*106*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C5 PFNA	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFDA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFDoA	*92*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C3 PFBS	*93*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
18O2 PFHxS	*88*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C4 PFOS	*94*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
13C8 FOSA	*98*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:17*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A54C
Date Collected: 11/03/21 16:05
Date Received: 11/04/21 09:45

Lab Sample ID: 180-129462-6
Matrix: Solid
Percent Solids: 88.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.22	0.052	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluoropentanoic acid (PFPeA)	**0.055**	**J**	0.22	0.046	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorohexanoic acid (PFHxA)	**0.051**	**J**	0.22	0.035	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.043	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorooctanoic acid (PFOA)	**0.059**	**J**	0.22	0.059	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.034	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.024	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.043	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorooctanesulfonic acid (PFOS)	**0.13**	**J I**	0.22	0.048	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	11/05/21 11:53	11/07/21 01:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C5 PFPeA	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C2 PFHxA	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C4 PFHpA	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C4 PFOA	*102*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C5 PFNA	*103*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C2 PFDA	*91*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C2 PFDoA	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C3 PFBS	*96*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
18O2 PFHxS	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C4 PFOS	*97*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
13C8 FOSA	*89*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*11/05/21 11:53*	*11/07/21 01:48*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-540300/1-A
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/05/21 11:53	11/07/21 00:56	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/05/21 11:53	11/07/21 00:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C5 PFPeA	*119*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFHxA	*114*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C4 PFHpA	*123*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C4 PFOA	*122*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C5 PFNA	*120*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFDA	*111*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFUnA	*111*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFDoA	*113*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C3 PFBS	*131*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
18O2 PFHxS	*121*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C4 PFOS	*121*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
13C8 FOSA	*109*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
d3-NMeFOSAA	*124*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
d5-NEtFOSAA	*120*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
M2-6:2 FTS	*123*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*
M2-8:2 FTS	*119*		*25 - 150*	*11/05/21 11:53*	*11/07/21 00:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540300/2-A
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.85		ug/Kg		93	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.79		ug/Kg		89	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.87		ug/Kg		93	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.79		ug/Kg		90	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.96		ug/Kg		98	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.92		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.97		ug/Kg		98	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.85		ug/Kg		93	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.95		ug/Kg		97	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.86		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.49		ug/Kg		84	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.68		ug/Kg		92	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.62		ug/Kg		85	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.68		ug/Kg		90	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.61		ug/Kg		83	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.70		ug/Kg		85	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.94		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.74		ug/Kg		92	73 - 139
8:2 FTS	1.92	1.88		ug/Kg		98	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*99*		*25 - 150*
13C5 PFPeA	*109*		*25 - 150*
13C2 PFHxA	*103*		*25 - 150*
13C4 PFHpA	*117*		*25 - 150*
13C4 PFOA	*105*		*25 - 150*
13C5 PFNA	*111*		*25 - 150*
13C2 PFDA	*101*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*101*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*116*		*25 - 150*
18O2 PFHxS	*107*		*25 - 150*
13C4 PFOS	*117*		*25 - 150*
13C8 FOSA	*99*		*25 - 150*
d3-NMeFOSAA	*109*		*25 - 150*
d5-NEtFOSAA	*105*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540300/2-A
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540300

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*112*		*25 - 150*
M2-8:2 FTS	*105*		*25 - 150*

Lab Sample ID: 180-129462-6 MS
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: SSHS-IRM5A2-A1-A54C
Prep Type: Total/NA
Prep Batch: 540300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.12	J	2.10	2.17		ug/Kg	☼	97	76 - 136
Perfluoropentanoic acid (PFPeA)	0.055	J	2.10	2.06		ug/Kg	☼	95	69 - 129
Perfluorohexanoic acid (PFHxA)	0.051	J	2.10	2.00		ug/Kg	☼	93	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.10	2.11		ug/Kg	☼	100	71 - 131
Perfluorooctanoic acid (PFOA)	0.059	J	2.10	2.00		ug/Kg	☼	95	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.10	2.04		ug/Kg	☼	97	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.10	1.97		ug/Kg	☼	94	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.10	2.14		ug/Kg	☼	102	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.10	2.10		ug/Kg	☼	100	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.10	1.99		ug/Kg	☼	95	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.10	1.95		ug/Kg	☼	93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.86	1.49		ug/Kg	☼	80	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.91	1.78		ug/Kg	☼	93	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.00	1.75		ug/Kg	☼	88	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.13	J I	1.95	1.79		ug/Kg	☼	85	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.02	1.72		ug/Kg	☼	85	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.10	2.05		ug/Kg	☼	98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.10	1.93		ug/Kg	☼	92	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.10	2.10		ug/Kg	☼	100	72 - 132
6:2 FTS	ND		1.99	1.99		ug/Kg	☼	100	73 - 139
8:2 FTS	ND		2.01	1.91		ug/Kg	☼	95	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*87*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*92*		*25 - 150*
13C2 PFDoA	*89*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129462-6 MS **Client Sample ID: SSHS-IRM5A2-A1-A54C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 540722 **Prep Batch: 540300**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	72		25 - 150
13C3 PFBS	96		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	94		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	93		25 - 150
M2-6:2 FTS	93		25 - 150
M2-8:2 FTS	98		25 - 150

Lab Sample ID: 180-129462-6 MSD **Client Sample ID: SSHS-IRM5A2-A1-A54C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 540722 **Prep Batch: 540300**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.12	J	2.10	2.08		ug/Kg	☼	93	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	0.055	J	2.10	2.06		ug/Kg	☼	95	69 - 129	0	30
Perfluorohexanoic acid (PFHxA)	0.051	J	2.10	2.06		ug/Kg	☼	96	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.10	2.07		ug/Kg	☼	98	71 - 131	2	30
Perfluorooctanoic acid (PFOA)	0.059	J	2.10	2.11		ug/Kg	☼	100	72 - 132	5	30
Perfluorononanoic acid (PFNA)	ND		2.10	2.02		ug/Kg	☼	96	73 - 133	1	30
Perfluorodecanoic acid (PFDA)	ND		2.10	1.96		ug/Kg	☼	93	72 - 132	1	30
Perfluoroundecanoic acid (PFUnA)	ND		2.10	2.02		ug/Kg	☼	96	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.10	2.08		ug/Kg	☼	99	71 - 131	1	30
Perfluorotridecanoic acid (PFTriA)	ND		2.10	1.79		ug/Kg	☼	85	71 - 131	11	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.10	1.92		ug/Kg	☼	91	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.86	1.47		ug/Kg	☼	79	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.91	1.76		ug/Kg	☼	92	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.00	1.66		ug/Kg	☼	83	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	0.13	J I	1.95	1.84		ug/Kg	☼	87	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.03	1.67		ug/Kg	☼	82	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.10	2.06		ug/Kg	☼	98	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.10	1.84		ug/Kg	☼	87	72 - 132	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.10	2.07		ug/Kg	☼	98	72 - 132	2	30
6:2 FTS	ND		1.99	2.04		ug/Kg	☼	102	73 - 139	3	30
8:2 FTS	ND		2.01	1.80		ug/Kg	☼	90	75 - 135	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	90		25 - 150
13C5 PFPeA	95		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129462-6 MSD
Matrix: Solid
Analysis Batch: 540722

Client Sample ID: SSHS-IRM5A2-A1-A54C
Prep Type: Total/NA
Prep Batch: 540300

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	96		25 - 150
13C4 PFHpA	103		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	104		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	96		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	71		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	91		25 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	94		25 - 150
M2-6:2 FTS	86		25 - 150
M2-8:2 FTS	100		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-2

LCMS

Prep Batch: 540300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	SHAKE	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	SHAKE	
MB 320-540300/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-540300/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-129462-6 MS	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	SHAKE	
180-129462-6 MSD	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	SHAKE	

Analysis Batch: 540722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	537 (modified)	540300
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	537 (modified)	540300
MB 320-540300/1-A	Method Blank	Total/NA	Solid	537 (modified)	540300
LCS 320-540300/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	540300
180-129462-6 MS	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	537 (modified)	540300
180-129462-6 MSD	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	537 (modified)	540300

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Home	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A53A	11/3/21	1345	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A53B	11/3/21	1345	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A53C	11/3/21	1335	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A54A	11/3/21	1615	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A54B	11/3/21	1615	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A54C	11/3/21	1605	C	S	N	N		X	X	X	X	X	X	X						5	

180-129462 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				ESTA PitH 11/4/21 945	ESTA PitH
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

11/1-6

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A53A	11/3/21	1345	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A53B	11/3/21	1345	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A53C	11/3/21	1335	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A54A	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54B	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54C	11/3/21	1605	C	S	N	N		X	X	X	X	X	X	X	5	

180-129462 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal ☐ Return To Client ☐ Disposal By Lab Archive For _____ Months (ger than 1 month)

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				Mandelyn Block	11-9-21 10:10	EXN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-129462

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :**
Canton Facility

Client GeoSynTech Site Name

Cooler Received on 11-4-21 Opened on 11-4-21

Cooler unpacked by: Mandy Bloce

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # TA Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other Box

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 1.5 °C Corrected Cooler Temp. 1.6 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17. Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen: 12:14

180-

Login # : 129462

Eurofins TestAmerica Canton Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
TA Client Box Other	IR-14 IR-15	1.5	1.6	Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-14 IR-15	0.9	1.0	Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-14 IR-15	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-129462 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A53A	11/3/21	1345	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A53B	11/3/21	1345	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A53C	11/3/21	1335	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A54A	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54B	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54C	11/3/21	1605	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: Colin	Date/Time:	Company	Received by:	Date/Time: 11-4-21 1030	Company EESI
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.0

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-129462 Field Sheet

Tracking # : 775087291179

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 107 Corr. Factor: (+ / -) N/B °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.0 °C Corrected: 1.0 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SG Date: 11-4-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LD Date: 11/4/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☐	☐	☒

Initials: KB Date: 11/4/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129462-2

Login Number: 129462
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129462-2

Login Number: 129462
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/04/21 06:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129327-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/11/2021 3:38:32 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129327-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129327-1

Comments
Due to FEDEX shipment delay, the cooler sent to the Sacramento laboratory was received one day late on 11/3/21.

Notation was made to the coc regarding collection times of the composite samples.

Receipt
The samples were received on 11/2 and 3/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 1.5º C and 1.6º C.

GC/MS VOA
Method 8260C: The following sample was analyzed from the medium level, methanol preserved terracore: SSHS-IRM5A2-A1-DUP5A (180-129327-19). Elevated reporting limits (RLs) are provided. The initial analysis from the aqueous preserved terracore had a bad purge and could not be reported. The second aqueous terracore could not be analyzed as it had cracked in the freezer.

Method 8260C: The laboratory control sample (LCS) for batch 240-511582 recovered above the control limits for the following analyte: Methylene Chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-511582 was above criteria for the following analyte: Carbon tetrachloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The method blank for preparation batch 240-511256 and analytical batch 240-511730 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated sample was not re-extracted and/or re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL.

Method 8260C: The laboratory control sample (LCS) for preparation batch 240-511256 and analytical batch 240-511730 recovered above the control limits for the following analyte: Methylene Chloride. Methylene Chloride has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-3777905 was above criteria for the following analytes: 2-Nitroaniline and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377981 (RTC 180-377981/1) was above criteria for aroclor 1254 on both columns. As the CCV was high and the associated samples did not have aroclor 1254 detected, the results were reported. It should be noted that the CCV for aroclor 1254 was used and identified as an RTC and not a CCV.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377981 (CCV 180-377981/4) was above criteria for aroclor 1248 on column RTX-CLP2 and outside criteria for 4 peaks on column RTX-CLP1. As the associated samples did not have aroclor 1248 detected, the results were reported.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377981 (CCVIS 180-377981/27) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

Job ID: 180-129327-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-378176 (CCV 180-378176/4) was above criteria for aroclor 1248 for 2 peaks on column RTX-CLP1. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-378176 (CCV 180-378176/6) was above criteria for aroclor 1254 on column RTX-CLP1 and above criteria for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-IRM5A2-A1-A44B (180-129327-11), was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129327-1	SSHS-IRM5A2-A1-A41A	Solid	11/01/21 14:00	11/02/21 10:00
180-129327-2	SSHS-IRM5A2-A1-A41B	Solid	11/01/21 14:00	11/02/21 10:00
180-129327-3	SSHS-IRM5A2-A1-A41C	Solid	11/01/21 13:50	11/02/21 10:00
180-129327-4	SSHS-IRM5A2-A1-A42A	Solid	11/01/21 14:45	11/02/21 10:00
180-129327-5	SSHS-IRM5A2-A1-A42B	Solid	11/01/21 14:45	11/02/21 10:00
180-129327-6	SSHS-IRM5A2-A1-A42C	Solid	11/01/21 14:30	11/02/21 10:00
180-129327-7	SSHS-IRM5A2-A1-A43A	Solid	11/01/21 15:00	11/02/21 10:00
180-129327-8	SSHS-IRM5A2-A1-A43B	Solid	11/01/21 15:00	11/02/21 10:00
180-129327-9	SSHS-IRM5A2-A1-A43C	Solid	11/01/21 15:30	11/02/21 10:00
180-129327-10	SSHS-IRM5A2-A1-A44A	Solid	11/01/21 15:45	11/02/21 10:00
180-129327-11	SSHS-IRM5A2-A1-A44B	Solid	11/01/21 15:45	11/02/21 10:00
180-129327-12	SSHS-IRM5A2-A1-A44C	Solid	11/01/21 15:30	11/02/21 10:00
180-129327-13	SSHS-IRM5A2-A1-A45A	Solid	11/01/21 16:20	11/02/21 10:00
180-129327-14	SSHS-IRM5A2-A1-A45B	Solid	11/01/21 16:20	11/02/21 10:00
180-129327-15	SSHS-IRM5A2-A1-A45C	Solid	11/01/21 16:11	11/02/21 10:00
180-129327-16	SSHS-IRM5A2-A1-A46A	Solid	11/01/21 17:00	11/02/21 10:00
180-129327-17	SSHS-IRM5A2-A1-A46B	Solid	11/01/21 17:00	11/02/21 10:00
180-129327-18	SSHS-IRM5A2-A1-A46C	Solid	11/01/21 16:50	11/02/21 10:00
180-129327-19	SSHS-IRM5A2-A1-DUP5A	Solid	11/01/21 00:00	11/02/21 10:00
180-129327-20	SSHS-IRM5A2-A1-DUP5B	Solid	11/01/21 00:00	11/02/21 10:00
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Solid	11/01/21 00:00	11/02/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-A41A
Date Collected: 11/01/21 14:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A41A
Date Collected: 11/01/21 14:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-1
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.461 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 13:37	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A41B
Date Collected: 11/01/21 14:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A41B
Date Collected: 11/01/21 14:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-2
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.579 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 14:01	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A41C
Date Collected: 11/01/21 13:50
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A41C
Date Collected: 11/01/21 13:50
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-3
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 19:12	VVP	TAL PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-A41C

Lab Sample ID: 180-129327-3
Date Collected: 11/01/21 13:50
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377981	11/08/21 18:05	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.27 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 17:51	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.27 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 19:59	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.81 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:24	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:07	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:12	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A42A

Lab Sample ID: 180-129327-4
Date Collected: 11/01/21 14:45
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A42A

Lab Sample ID: 180-129327-4
Date Collected: 11/01/21 14:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.609 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 14:25	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A42B

Lab Sample ID: 180-129327-5
Date Collected: 11/01/21 14:45
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A42B
Lab Sample ID: 180-129327-5
Date Collected: 11/01/21 14:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.321 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511582	11/05/21 10:23	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A42C
Lab Sample ID: 180-129327-6
Date Collected: 11/01/21 14:30
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A42C
Lab Sample ID: 180-129327-6
Date Collected: 11/01/21 14:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 19:33	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377981	11/08/21 18:23	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.46 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 17:55	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.46 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 20:03	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.76 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:28	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.46 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:08	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:14	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-A43A
Date Collected: 11/01/21 15:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A43A
Date Collected: 11/01/21 15:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-7
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.886 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 15:13	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A43B
Date Collected: 11/01/21 15:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A43B
Date Collected: 11/01/21 15:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-8
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.383 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 15:37	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A43C
Date Collected: 11/01/21 15:30
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A43C
Date Collected: 11/01/21 15:30
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-9
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 19:55	VVP	TAL PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-A43C

Lab Sample ID: 180-129327-9
Date Collected: 11/01/21 15:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378176	11/09/21 10:49	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.03 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 18:09	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.03 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 20:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:29	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:09	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:19	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A44A

Lab Sample ID: 180-129327-10
Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A44A

Lab Sample ID: 180-129327-10
Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.984 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 16:01	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A44B

Lab Sample ID: 180-129327-11
Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A44B
Lab Sample ID: 180-129327-11

Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.897 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 16:25	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A44C
Lab Sample ID: 180-129327-12

Date Collected: 11/01/21 15:30
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A44C
Lab Sample ID: 180-129327-12

Date Collected: 11/01/21 15:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 20:17	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378176	11/09/21 11:44	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.41 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 18:13	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.41 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 20:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.86 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:30	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:09	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:20	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A45A — Lab Sample ID: 180-129327-13
Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A45A — Lab Sample ID: 180-129327-13
Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.88 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 16:50	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A45B — Lab Sample ID: 180-129327-14
Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A45B — Lab Sample ID: 180-129327-14
Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.516 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511357	11/04/21 17:14	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A45C — Lab Sample ID: 180-129327-15
Date Collected: 11/01/21 16:11 — **Matrix: Solid**
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A45C — Lab Sample ID: 180-129327-15
Date Collected: 11/01/21 16:11 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 20:39	VVP	TAL PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-A45C
Lab Sample ID: 180-129327-15
Date Collected: 11/01/21 16:11
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377981	11/08/21 19:19	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.24 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 18:18	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.24 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 20:26	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.94 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:31	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:10	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:22	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A1-A46A
Lab Sample ID: 180-129327-16
Date Collected: 11/01/21 17:00
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A46A
Lab Sample ID: 180-129327-16
Date Collected: 11/01/21 17:00
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			13.449 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511582	11/05/21 10:46	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A46B
Lab Sample ID: 180-129327-17
Date Collected: 11/01/21 17:00
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-A46B
Date Collected: 11/01/21 17:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-17
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.382 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511582	11/05/21 11:08	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A46C
Date Collected: 11/01/21 16:50
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A46C
Date Collected: 11/01/21 16:50
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-18
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 21:01	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378176	11/09/21 11:07	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.29 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 18:23	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.29 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 20:31	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:32	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	377500	11/03/21 11:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	377958	11/06/21 18:56	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:24	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-DUP5A
Lab Sample ID: 180-129327-19
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP5A
Lab Sample ID: 180-129327-19
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.777 g	5 mL	511256	11/03/21 14:32	LAM	TAL CAN
Total/NA	Analysis	8260C		1	100 uL	5 mL	511730	11/06/21 07:30	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-DUP5B
Lab Sample ID: 180-129327-20
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511205	11/03/21 09:56	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP5B
Lab Sample ID: 180-129327-20
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.12 g	5 g	511273	11/02/21 11:05	CS	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511582	11/05/21 12:14	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-DUP5C
Lab Sample ID: 180-129327-21
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			377625	11/04/21 10:36	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP5C
Lab Sample ID: 180-129327-21
Date Collected: 11/01/21 00:00
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	377715	11/04/21 23:35	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	377905	11/06/21 21:23	VVP	TAL PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-DUP5C

Date Collected: 11/01/21 00:00
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-21

Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	377541	11/04/21 12:15	CTM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	377986	11/08/21 04:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	377987	11/08/21 04:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378176	11/09/21 12:03	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.26 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378160	11/08/21 18:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.26 g	100 mL	377468	11/04/21 09:55	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			378321	11/09/21 20:35	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.73 g	100 mL	377726	11/05/21 05:57	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			378122	11/08/21 14:35	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:17	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	377964	11/07/21 18:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			378104	11/08/21 11:25	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Analyst References:

Lab: TAL CAN

Batch Type: Prep

CS = Charles Seymour

LAM = Louis Mancine

Batch Type: Analysis

AJ = Allison Jackson

CS = Charles Seymour

TJL2 = Todd Lata

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CMR = Carl Reagle

CSC = Chayce Cockroft

CTM = Connor Mitsch

KEM = Kimberly Mahoney

PMH = Paloma Hoelzle

RJR = Ron Rosenbaum

Batch Type: Analysis

CMR = Carl Reagle

HEK = Hope Kiesling

JMO = John Oravec

PMH = Paloma Hoelzle

RJG = Rob Good

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A41A — Lab Sample ID: 180-129327-1

Date Collected: 11/01/21 14:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 87.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.019	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Benzene	ND		0.0044	0.00062	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
2-Butanone (MEK)	ND		0.018	0.0031	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Carbon tetrachloride	ND		0.0044	0.0029	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Chlorobenzene	ND		0.0044	0.00081	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Chloroform	ND		0.0044	0.00070	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
cis-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,2-Dichlorobenzene	ND		0.0044	0.00098	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,3-Dichlorobenzene	ND		0.0044	0.00072	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,4-Dichlorobenzene	ND		0.0044	0.00078	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,1-Dichloroethane	ND		0.0044	0.00061	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,2-Dichloroethane	ND		0.0044	0.00068	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,1-Dichloroethene	ND		0.0044	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,4-Dioxane	ND		0.22	0.064	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Ethylbenzene	ND		0.0044	0.00092	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Methylene Chloride	ND		0.022	0.011	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Methyl tert-butyl ether	ND		0.0044	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
n-Butylbenzene	ND		0.0044	0.0031	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
N-Propylbenzene	ND		0.0044	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
sec-Butylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
tert-Butylbenzene	ND		0.0044	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Tetrachloroethene	ND		0.0044	0.00064	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Toluene	ND		0.0044	0.00068	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
trans-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,1,1-Trichloroethane	ND		0.0044	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Trichloroethene	ND		0.0044	0.00056	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,2,4-Trimethylbenzene	ND		0.0044	0.0020	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
1,3,5-Trimethylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Vinyl chloride	ND		0.0044	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1
Xylenes, Total	ND		0.0088	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/02/21 11:05*	*11/04/21 13:37*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/02/21 11:05*	*11/04/21 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/02/21 11:05*	*11/04/21 13:37*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/02/21 11:05*	*11/04/21 13:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.6**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**12.4**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A41B — Lab Sample ID: 180-129327-2

Date Collected: 11/01/21 14:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.018	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Benzene	ND		0.0042	0.00059	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1

Client Sample ID: SSHS-IRM5A2-A1-A41B

Lab Sample ID: 180-129327-2
Date Collected: 11/01/21 14:00
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 89.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.017	0.0030	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Carbon tetrachloride	ND		0.0042	0.0028	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Chlorobenzene	ND		0.0042	0.00078	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Chloroform	ND		0.0042	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
cis-1,2-Dichloroethene	ND		0.0042	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,2-Dichlorobenzene	ND		0.0042	0.00094	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,3-Dichlorobenzene	ND		0.0042	0.00069	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,4-Dichlorobenzene	ND		0.0042	0.00075	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,1-Dichloroethane	ND		0.0042	0.00059	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,2-Dichloroethane	ND		0.0042	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,1-Dichloroethene	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,4-Dioxane	ND		0.21	0.061	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Ethylbenzene	ND		0.0042	0.00089	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Methylene Chloride	ND		0.021	0.010	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Methyl tert-butyl ether	ND		0.0042	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
n-Butylbenzene	ND		0.0042	0.0029	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
N-Propylbenzene	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
sec-Butylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
tert-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Tetrachloroethene	ND		0.0042	0.00062	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Toluene	ND		0.0042	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
trans-1,2-Dichloroethene	ND		0.0042	0.0012	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,1,1-Trichloroethane	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Trichloroethene	ND		0.0042	0.00054	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,2,4-Trimethylbenzene	ND		0.0042	0.0020	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
1,3,5-Trimethylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Vinyl chloride	ND		0.0042	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1
Xylenes, Total	ND		0.0085	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/02/21 11:05*	*11/04/21 14:01*	*1*
Dibromofluoromethane (Surr)	*90*		*41 - 138*	*11/02/21 11:05*	*11/04/21 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/02/21 11:05*	*11/04/21 14:01*	*1*
Toluene-d8 (Surr)	*94*		*56 - 125*	*11/02/21 11:05*	*11/04/21 14:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.5**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**10.5**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A41C

Lab Sample ID: 180-129327-3
Date Collected: 11/01/21 13:50
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Acenaphthylene	**0.012**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Anthracene	**0.0049**	**J**	0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Benzo[a]anthracene	**0.027**		0.0074	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1

Client Sample ID: SSHS-IRM5A2-A1-A41C **Lab Sample ID: 180-129327-3**
Date Collected: 11/01/21 13:50 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 90.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.024**		0.0074	0.0032	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Benzo[b]fluoranthene	**0.040**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Benzo[g,h,i]perylene	**0.024**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Benzo[k]fluoranthene	**0.013**		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Chrysene	**0.036**		0.0074	0.0041	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Dibenz(a,h)anthracene	**0.0073**	**J**	0.0074	0.0047	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Fluoranthene	**0.030**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Indeno[1,2,3-cd]pyrene	**0.022**		0.0074	0.0036	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Naphthalene	**0.0041**	**J**	0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Phenanthrene	**0.0073**	**J**	0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Pyrene	**0.045**		0.0074	0.0017	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*11/04/21 23:35*	*11/06/21 19:12*	*1*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*11/04/21 23:35*	*11/06/21 19:12*	*1*
Nitrobenzene-d5 (Surr)	*81*		*34 - 109*	*11/04/21 23:35*	*11/06/21 19:12*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*11/04/21 23:35*	*11/06/21 19:12*	*1*
Terphenyl-d14 (Surr)	*87*		*20 - 117*	*11/04/21 23:35*	*11/06/21 19:12*	*1*
2,4,6-Tribromophenol (Surr)	*37*		*20 - 119*	*11/04/21 23:35*	*11/06/21 19:12*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/04/21 12:15	11/08/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/04/21 12:15*	*11/08/21 18:05*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*11/04/21 12:15*	*11/08/21 18:05*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A41C — Lab Sample ID: 180-129327-3

Date Collected: 11/01/21 13:50 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 90.5**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*11/04/21 12:15*	*11/08/21 18:05*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*11/04/21 12:15*	*11/08/21 18:05*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.4**		0.87	0.34	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Barium	**48**		17	0.93	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Beryllium	**0.33**	**J**	0.35	0.020	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Cadmium	ND		0.43	0.032	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Chromium	**9.7**		0.43	0.36	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Copper	**18**		2.2	2.0	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Lead	**10**		0.87	0.44	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Manganese	**340**		1.3	0.35	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Nickel	**15**		3.5	0.22	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Selenium	ND		0.87	0.45	mg/Kg	☼	11/04/21 09:55	11/09/21 19:59	1
Silver	ND		0.43	0.092	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1
Zinc	**52**		1.7	1.4	mg/Kg	☼	11/04/21 09:55	11/08/21 17:51	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.027	0.017	mg/Kg	☼	11/05/21 05:57	11/08/21 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**90.5**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	**0.53**		0.45	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:07	1
Cyanide, Total	ND		0.44	0.24	mg/Kg	☼	11/07/21 18:00	11/08/21 11:12	1

Client Sample ID: SSHS-IRM5A2-A1-A42A — Lab Sample ID: 180-129327-4

Date Collected: 11/01/21 14:45 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 88.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.018	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
2-Butanone (MEK)	ND		0.017	0.0031	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Chlorobenzene	ND		0.0043	0.00079	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Chloroform	ND		0.0043	0.00068	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,2-Dichlorobenzene	ND		0.0043	0.00096	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,3-Dichlorobenzene	ND		0.0043	0.00070	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,4-Dichlorobenzene	ND		0.0043	0.00076	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,1-Dichloroethane	ND		0.0043	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,2-Dichloroethane	ND		0.0043	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,4-Dioxane	ND		0.21	0.062	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Ethylbenzene	ND		0.0043	0.00090	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1

Client Sample ID: SSHS-IRM5A2-A1-A42A — Lab Sample ID: 180-129327-4

Date Collected: 11/01/21 14:45 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 88.0**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.021	0.010	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Tetrachloroethene	ND		0.0043	0.00063	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Toluene	ND		0.0043	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Trichloroethene	ND		0.0043	0.00054	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1
Xylenes, Total	ND		0.0086	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41 - 143*	*11/02/21 11:05*	*11/04/21 14:25*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/02/21 11:05*	*11/04/21 14:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 125*	*11/02/21 11:05*	*11/04/21 14:25*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/02/21 11:05*	*11/04/21 14:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.0**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**12.0**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A42B — Lab Sample ID: 180-129327-5

Date Collected: 11/01/21 14:45 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 90.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.018	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Benzene	ND		0.0044	0.00061	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
2-Butanone (MEK)	ND		0.017	0.0031	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Carbon tetrachloride	ND		0.0044	0.0028	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Chlorobenzene	ND		0.0044	0.00080	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Chloroform	ND		0.0044	0.00069	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
cis-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,2-Dichlorobenzene	ND		0.0044	0.00097	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,3-Dichlorobenzene	ND		0.0044	0.00071	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,4-Dichlorobenzene	ND		0.0044	0.00077	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,1-Dichloroethane	ND		0.0044	0.00061	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,2-Dichloroethane	ND		0.0044	0.00067	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,1-Dichloroethene	ND		0.0044	0.0016	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,4-Dioxane	ND		0.22	0.063	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Ethylbenzene	ND		0.0044	0.00092	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Methylene Chloride	ND	*+	0.022	0.010	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Methyl tert-butyl ether	ND		0.0044	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1

Client Sample ID: SSHS-IRM5A2-A1-A42B
Lab Sample ID: 180-129327-5
Date Collected: 11/01/21 14:45 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 90.5**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0044	0.0030	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
N-Propylbenzene	ND		0.0044	0.0015	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
sec-Butylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
tert-Butylbenzene	ND		0.0044	0.0022	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Tetrachloroethene	ND		0.0044	0.00064	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Toluene	ND		0.0044	0.00068	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
trans-1,2-Dichloroethene	ND		0.0044	0.0012	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,1,1-Trichloroethane	ND		0.0044	0.0015	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Trichloroethene	ND		0.0044	0.00055	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,2,4-Trimethylbenzene	ND		0.0044	0.0020	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
1,3,5-Trimethylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Vinyl chloride	ND		0.0044	0.0015	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1
Xylenes, Total	ND		0.0087	0.0014	mg/Kg	☼	11/02/21 11:05	11/05/21 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*41 - 143*	*11/02/21 11:05*	*11/05/21 10:23*	*1*
Dibromofluoromethane (Surr)	*106*		*41 - 138*	*11/02/21 11:05*	*11/05/21 10:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*58 - 125*	*11/02/21 11:05*	*11/05/21 10:23*	*1*
Toluene-d8 (Surr)	*83*		*56 - 125*	*11/02/21 11:05*	*11/05/21 10:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90.5**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**9.5**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A42C
Lab Sample ID: 180-129327-6
Date Collected: 11/01/21 14:30 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 88.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Acenaphthylene	**0.0032**	**J**	0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Anthracene	ND		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Benzo[a]anthracene	**0.0079**		0.0074	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Benzo[a]pyrene	**0.0078**		0.0074	0.0032	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Benzo[b]fluoranthene	**0.011**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Benzo[g,h,i]perylene	**0.0082**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Benzo[k]fluoranthene	**0.0061**	**J**	0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Chrysene	**0.0096**		0.0074	0.0041	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Dibenz(a,h)anthracene	ND		0.0074	0.0047	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
1,4-Dioxane	ND		0.074	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Fluoranthene	**0.0092**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Indeno[1,2,3-cd]pyrene	**0.0072**	**J**	0.0074	0.0037	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1

Client Sample ID: SSHS-IRM5A2-A1-A42C **Lab Sample ID: 180-129327-6**
Date Collected: 11/01/21 14:30 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 88.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Naphthalene	ND		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Nitrobenzene	ND		0.074	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Phenanthrene	**0.0033**	**J**	0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Pyrene	**0.014**		0.0074	0.0017	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*11/04/21 23:35*	*11/06/21 19:33*	*1*
2-Fluorophenol (Surr)	*81*		*32 - 105*	*11/04/21 23:35*	*11/06/21 19:33*	*1*
Nitrobenzene-d5 (Surr)	*90*		*34 - 109*	*11/04/21 23:35*	*11/06/21 19:33*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/04/21 23:35*	*11/06/21 19:33*	*1*
Terphenyl-d14 (Surr)	*92*		*20 - 117*	*11/04/21 23:35*	*11/06/21 19:33*	*1*
2,4,6-Tribromophenol (Surr)	*41*		*20 - 119*	*11/04/21 23:35*	*11/06/21 19:33*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1254	ND		0.019	0.0056	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/04/21 12:15	11/08/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*11/04/21 12:15*	*11/08/21 18:23*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*11/04/21 12:15*	*11/08/21 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*11/04/21 12:15*	*11/08/21 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*11/04/21 12:15*	*11/08/21 18:23*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.7**		0.78	0.30	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Barium	**37**		16	0.83	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Beryllium	**0.28**	**J**	0.31	0.018	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Cadmium	**0.031**	**J**	0.39	0.028	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Chromium	**8.1**		0.39	0.32	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Copper	**18**		1.9	1.8	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Lead	**11**		0.78	0.40	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Manganese	**390**		1.2	0.32	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Nickel	**13**		3.1	0.19	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Selenium	**0.47**	**J**	0.78	0.40	mg/Kg	☼	11/04/21 09:55	11/09/21 20:03	1

Client Sample ID: SSHS-IRM5A2-A1-A42C
Lab Sample ID: 180-129327-6
Date Collected: 11/01/21 14:30 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 88.1**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.39	0.082	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1
Zinc	**54**		1.6	1.2	mg/Kg	☼	11/04/21 09:55	11/08/21 17:55	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.030	0.019	mg/Kg	☼	11/05/21 05:57	11/08/21 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.9**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**88.1**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/09/21 16:20	11/10/21 19:08	1
Cyanide, Total	ND		0.54	0.29	mg/Kg	☼	11/07/21 18:00	11/08/21 11:14	1

Client Sample ID: SSHS-IRM5A2-A1-A43A
Lab Sample ID: 180-129327-7
Date Collected: 11/01/21 15:00 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 89.1**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.017	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Benzene	ND		0.0041	0.00057	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
2-Butanone (MEK)	ND		0.016	0.0029	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Carbon tetrachloride	ND		0.0041	0.0027	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Chlorobenzene	ND		0.0041	0.00075	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Chloroform	ND		0.0041	0.00064	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
cis-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,2-Dichlorobenzene	ND		0.0041	0.00091	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,3-Dichlorobenzene	ND		0.0041	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,4-Dichlorobenzene	ND		0.0041	0.00072	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,1-Dichloroethane	ND		0.0041	0.00057	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,2-Dichloroethane	ND		0.0041	0.00063	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,1-Dichloroethene	ND		0.0041	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,4-Dioxane	ND		0.20	0.059	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Ethylbenzene	ND		0.0041	0.00085	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Methylene Chloride	ND		0.020	0.0098	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Methyl tert-butyl ether	ND		0.0041	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
n-Butylbenzene	ND		0.0041	0.0028	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
N-Propylbenzene	ND		0.0041	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
sec-Butylbenzene	ND		0.0041	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
tert-Butylbenzene	ND		0.0041	0.0021	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Tetrachloroethene	ND		0.0041	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Toluene	ND		0.0041	0.00063	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
trans-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,1,1-Trichloroethane	ND		0.0041	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Trichloroethene	ND		0.0041	0.00052	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,2,4-Trimethylbenzene	ND		0.0041	0.0019	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
1,3,5-Trimethylbenzene	ND		0.0041	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Vinyl chloride	ND		0.0041	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1
Xylenes, Total	ND		0.0082	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 15:13	1

Client Sample ID: SSHS-IRM5A2-A1-A43A — Lab Sample ID: 180-129327-7

Date Collected: 11/01/21 15:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.1**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*41 - 143*	*11/02/21 11:05*	*11/04/21 15:13*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/02/21 11:05*	*11/04/21 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*58 - 125*	*11/02/21 11:05*	*11/04/21 15:13*	*1*
Toluene-d8 (Surr)	*98*		*56 - 125*	*11/02/21 11:05*	*11/04/21 15:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.1**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**10.9**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A43B — Lab Sample ID: 180-129327-8

Date Collected: 11/01/21 15:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 90.8**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.018	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
2-Butanone (MEK)	ND		0.017	0.0031	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Chlorobenzene	ND		0.0043	0.00079	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Chloroform	ND		0.0043	0.00068	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,2-Dichlorobenzene	ND		0.0043	0.00096	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,3-Dichlorobenzene	ND		0.0043	0.00070	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,4-Dichlorobenzene	ND		0.0043	0.00076	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,1-Dichloroethane	ND		0.0043	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,2-Dichloroethane	ND		0.0043	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,4-Dioxane	ND		0.22	0.062	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Ethylbenzene	ND		0.0043	0.00090	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Methylene Chloride	ND		0.022	0.010	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Tetrachloroethene	ND		0.0043	0.00063	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Toluene	ND		0.0043	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Trichloroethene	ND		0.0043	0.00055	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1
Xylenes, Total	ND		0.0086	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/02/21 11:05*	*11/04/21 15:37*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/02/21 11:05*	*11/04/21 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 125*	*11/02/21 11:05*	*11/04/21 15:37*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A43B — Lab Sample ID: 180-129327-8

Date Collected: 11/01/21 15:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 90.8**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/02/21 11:05*	*11/04/21 15:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90.8**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**9.2**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A43C — Lab Sample ID: 180-129327-9

Date Collected: 11/01/21 15:30 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 91.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0033**	**J**	0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Acenaphthylene	**0.067**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Anthracene	**0.033**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Benzo[a]anthracene	**0.17**		0.0074	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Benzo[a]pyrene	**0.15**		0.0074	0.0032	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Benzo[b]fluoranthene	**0.25**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Benzo[g,h,i]perylene	**0.15**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Benzo[k]fluoranthene	**0.076**		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Chrysene	**0.20**		0.0074	0.0041	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Dibenz(a,h)anthracene	**0.038**		0.0074	0.0047	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Fluoranthene	**0.20**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Fluorene	**0.0060**	**J**	0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Indeno[1,2,3-cd]pyrene	**0.13**		0.0074	0.0036	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Naphthalene	**0.031**		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Phenanthrene	**0.053**		0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Pyrene	**0.28**		0.0074	0.0017	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*35 - 105*	*11/04/21 23:35*	*11/06/21 19:55*	*1*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*11/04/21 23:35*	*11/06/21 19:55*	*1*
Nitrobenzene-d5 (Surr)	*98*		*34 - 109*	*11/04/21 23:35*	*11/06/21 19:55*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/04/21 23:35*	*11/06/21 19:55*	*1*
Terphenyl-d14 (Surr)	*97*		*20 - 117*	*11/04/21 23:35*	*11/06/21 19:55*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A43C
Lab Sample ID: 180-129327-9
Date Collected: 11/01/21 15:30 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 91.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*11/04/21 23:35*	*11/06/21 19:55*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1248	**0.45**		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1254	**0.14**		0.018	0.0055	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/04/21 12:15	11/09/21 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/04/21 12:15*	*11/09/21 10:49*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/04/21 12:15*	*11/09/21 10:49*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/04/21 12:15*	*11/09/21 10:49*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*11/04/21 12:15*	*11/09/21 10:49*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.0**		1.1	0.42	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Barium	**62**		21	1.1	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Beryllium	**0.30**	**J**	0.43	0.024	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Cadmium	**0.10**	**J**	0.53	0.039	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Chromium	**7.9**		0.53	0.44	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Copper	**17**		2.7	2.5	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Lead	**20**		1.1	0.54	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Manganese	**290**		1.6	0.43	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Nickel	**12**		4.3	0.26	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Selenium	**0.80**	**J**	1.1	0.55	mg/Kg	☼	11/04/21 09:55	11/09/21 20:17	1
Silver	ND		0.53	0.11	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1
Zinc	**40**		2.1	1.7	mg/Kg	☼	11/04/21 09:55	11/08/21 18:09	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.027	0.017	mg/Kg	☼	11/05/21 05:57	11/08/21 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**91.1**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	11/09/21 16:20	11/10/21 19:09	1
Cyanide, Total	**0.34**	**J**	0.46	0.25	mg/Kg	☼	11/07/21 18:00	11/08/21 11:19	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A44A
Lab Sample ID: 180-129327-10
Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 88.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.020	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Benzene	ND		0.0047	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
2-Butanone (MEK)	ND		0.019	0.0034	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Carbon tetrachloride	ND		0.0047	0.0031	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Chlorobenzene	ND		0.0047	0.00087	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Chloroform	ND		0.0047	0.00075	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,2-Dichlorobenzene	ND		0.0047	0.0011	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,3-Dichlorobenzene	ND		0.0047	0.00077	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,4-Dichlorobenzene	ND		0.0047	0.00084	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,1-Dichloroethane	ND		0.0047	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,2-Dichloroethane	ND		0.0047	0.00073	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,1-Dichloroethene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,4-Dioxane	ND		0.24	0.069	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Ethylbenzene	ND		0.0047	0.00099	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Methylene Chloride	ND		0.024	0.011	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Methyl tert-butyl ether	ND		0.0047	0.0019	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
n-Butylbenzene	ND		0.0047	0.0033	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
sec-Butylbenzene	ND		0.0047	0.0018	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
tert-Butylbenzene	ND		0.0047	0.0024	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Tetrachloroethene	ND		0.0047	0.00069	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Toluene	ND		0.0047	0.00073	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
trans-1,2-Dichloroethene	ND		0.0047	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,1,1-Trichloroethane	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Trichloroethene	ND		0.0047	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0018	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Vinyl chloride	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1
Xylenes, Total	ND		0.0095	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*41 - 143*	*11/02/21 11:05*	*11/04/21 16:01*	*1*
Dibromofluoromethane (Surr)	*94*		*41 - 138*	*11/02/21 11:05*	*11/04/21 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 125*	*11/02/21 11:05*	*11/04/21 16:01*	*1*
Toluene-d8 (Surr)	*98*		*56 - 125*	*11/02/21 11:05*	*11/04/21 16:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.2**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**11.8**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A44B
Lab Sample ID: 180-129327-11
Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.020	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Benzene	ND		0.0047	0.00065	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1

Client Sample ID: SSHS-IRM5A2-A1-A44B

Lab Sample ID: 180-129327-11
Date Collected: 11/01/21 15:45
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.019	0.0033	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Carbon tetrachloride	ND		0.0047	0.0030	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Chlorobenzene	ND		0.0047	0.00086	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Chloroform	ND		0.0047	0.00074	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,2-Dichlorobenzene	ND		0.0047	0.0010	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,3-Dichlorobenzene	ND		0.0047	0.00076	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,4-Dichlorobenzene	ND		0.0047	0.00083	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,1-Dichloroethane	ND		0.0047	0.00065	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,2-Dichloroethane	ND		0.0047	0.00072	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,1-Dichloroethene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,4-Dioxane	ND		0.23	0.068	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Ethylbenzene	ND		0.0047	0.00098	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Methylene Chloride	ND		0.023	0.011	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Methyl tert-butyl ether	ND		0.0047	0.0019	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
n-Butylbenzene	ND		0.0047	0.0032	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
sec-Butylbenzene	ND		0.0047	0.0018	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
tert-Butylbenzene	ND		0.0047	0.0024	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Tetrachloroethene	ND		0.0047	0.00068	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Toluene	ND		0.0047	0.00072	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
trans-1,2-Dichloroethene	ND		0.0047	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,1,1-Trichloroethane	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Trichloroethene	ND		0.0047	0.00059	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0018	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Vinyl chloride	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1
Xylenes, Total	ND		0.0094	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/02/21 11:05*	*11/04/21 16:25*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/02/21 11:05*	*11/04/21 16:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 125*	*11/02/21 11:05*	*11/04/21 16:25*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/02/21 11:05*	*11/04/21 16:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90.6**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**9.4**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A44C

Lab Sample ID: 180-129327-12
Date Collected: 11/01/21 15:30
Matrix: Solid
Date Received: 11/02/21 10:00
Percent Solids: 90.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0023**	**J**	0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Acenaphthylene	**0.052**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Anthracene	**0.022**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Benzo[a]anthracene	**0.11**		0.0074	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1

Client Sample ID: SSHS-IRM5A2-A1-A44C **Lab Sample ID: 180-129327-12**
Date Collected: 11/01/21 15:30 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 90.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.11**		0.0074	0.0032	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Benzo[b]fluoranthene	**0.16**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Benzo[g,h,i]perylene	**0.11**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Benzo[k]fluoranthene	**0.064**		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Chrysene	**0.12**		0.0074	0.0041	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Dibenz(a,h)anthracene	**0.029**		0.0074	0.0047	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Fluoranthene	**0.11**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Fluorene	**0.0045**	**J**	0.0074	0.0015	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Indeno[1,2,3-cd]pyrene	**0.095**		0.0074	0.0037	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Naphthalene	**0.023**		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Phenanthrene	**0.024**		0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Pyrene	**0.17**		0.0074	0.0017	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*11/04/21 23:35*	*11/06/21 20:17*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*11/04/21 23:35*	*11/06/21 20:17*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*11/04/21 23:35*	*11/06/21 20:17*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*11/04/21 23:35*	*11/06/21 20:17*	*1*
Terphenyl-d14 (Surr)	*80*		*20 - 117*	*11/04/21 23:35*	*11/06/21 20:17*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*20 - 119*	*11/04/21 23:35*	*11/06/21 20:17*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1248	**0.055**		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1254	**0.025**		0.018	0.0055	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	11/04/21 12:15	11/09/21 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*11/04/21 12:15*	*11/09/21 11:44*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*11/04/21 12:15*	*11/09/21 11:44*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A44C — Lab Sample ID: 180-129327-12

Date Collected: 11/01/21 15:30 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 90.3**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*11/04/21 12:15*	*11/09/21 11:44*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/04/21 12:15*	*11/09/21 11:44*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.2**		0.79	0.31	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Barium	**42**		16	0.84	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Beryllium	**0.29**	**J**	0.31	0.018	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Cadmium	**0.053**	**J**	0.39	0.029	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Chromium	**8.1**		0.39	0.32	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Copper	**21**		2.0	1.8	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Lead	**8.8**		0.79	0.40	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Manganese	**330**		1.2	0.32	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Nickel	**14**		3.1	0.20	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Selenium	ND		0.79	0.40	mg/Kg	☼	11/04/21 09:55	11/09/21 20:22	1
Silver	ND		0.39	0.083	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1
Zinc	**47**		1.6	1.2	mg/Kg	☼	11/04/21 09:55	11/08/21 18:13	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.025	0.016	mg/Kg	☼	11/05/21 05:57	11/08/21 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**90.3**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:09	1
Cyanide, Total	**0.52**		0.44	0.24	mg/Kg	☼	11/07/21 18:00	11/08/21 11:20	1

Client Sample ID: SSHS-IRM5A2-A1-A45A — Lab Sample ID: 180-129327-13

Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 88.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.020	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Benzene	ND		0.0048	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
2-Butanone (MEK)	ND		0.019	0.0034	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Carbon tetrachloride	ND		0.0048	0.0031	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Chlorobenzene	ND		0.0048	0.00088	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Chloroform	ND		0.0048	0.00076	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,2-Dichlorobenzene	ND		0.0048	0.0011	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,3-Dichlorobenzene	ND		0.0048	0.00079	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,4-Dichlorobenzene	ND		0.0048	0.00085	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,1-Dichloroethane	ND		0.0048	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,2-Dichloroethane	ND		0.0048	0.00074	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,1-Dichloroethene	ND		0.0048	0.0018	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,4-Dioxane	ND		0.24	0.070	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Ethylbenzene	ND		0.0048	0.0010	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1

Client Sample ID: SSHS-IRM5A2-A1-A45A — Lab Sample ID: 180-129327-13

Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 88.4**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.024	0.012	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Methyl tert-butyl ether	ND		0.0048	0.0019	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
n-Butylbenzene	ND		0.0048	0.0033	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
sec-Butylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
tert-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Tetrachloroethene	ND		0.0048	0.00070	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Toluene	ND		0.0048	0.00074	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
trans-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,1,1-Trichloroethane	ND		0.0048	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Trichloroethene	ND		0.0048	0.00061	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0019	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Vinyl chloride	ND		0.0048	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1
Xylenes, Total	ND		0.0096	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*41 - 143*	*11/02/21 11:05*	*11/04/21 16:50*	*1*
Dibromofluoromethane (Surr)	*90*		*41 - 138*	*11/02/21 11:05*	*11/04/21 16:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*58 - 125*	*11/02/21 11:05*	*11/04/21 16:50*	*1*
Toluene-d8 (Surr)	*95*		*56 - 125*	*11/02/21 11:05*	*11/04/21 16:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.4**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**11.6**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A45B — Lab Sample ID: 180-129327-14

Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.8**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.018	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
2-Butanone (MEK)	ND		0.017	0.0030	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Chlorobenzene	ND		0.0043	0.00078	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Chloroform	ND		0.0043	0.00067	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,2-Dichlorobenzene	ND		0.0043	0.00095	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,3-Dichlorobenzene	ND		0.0043	0.00070	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,4-Dichlorobenzene	ND		0.0043	0.00075	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,1-Dichloroethane	ND		0.0043	0.00059	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,2-Dichloroethane	ND		0.0043	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,4-Dioxane	ND		0.21	0.062	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Ethylbenzene	ND		0.0043	0.00089	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Methylene Chloride	ND		0.021	0.010	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1

Client Sample ID: SSHS-IRM5A2-A1-A45B — Lab Sample ID: 180-129327-14

Date Collected: 11/01/21 16:20 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.8**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Tetrachloroethene	ND		0.0043	0.00062	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Toluene	ND		0.0043	0.00066	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Trichloroethene	ND		0.0043	0.00054	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1
Xylenes, Total	ND		0.0085	0.0014	mg/Kg	☼	11/02/21 11:05	11/04/21 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*41 - 143*	*11/02/21 11:05*	*11/04/21 17:14*	*1*
Dibromofluoromethane (Surr)	*94*		*41 - 138*	*11/02/21 11:05*	*11/04/21 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*58 - 125*	*11/02/21 11:05*	*11/04/21 17:14*	*1*
Toluene-d8 (Surr)	*99*		*56 - 125*	*11/02/21 11:05*	*11/04/21 17:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.8**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**10.2**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A45C — Lab Sample ID: 180-129327-15

Date Collected: 11/01/21 16:11 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Acenaphthylene	**0.014**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Anthracene	**0.0071**	**J**	0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Benzo[a]anthracene	**0.041**		0.0074	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Benzo[a]pyrene	**0.034**		0.0074	0.0032	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Benzo[b]fluoranthene	**0.056**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Benzo[g,h,i]perylene	**0.032**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Benzo[k]fluoranthene	**0.014**		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Chrysene	**0.042**		0.0074	0.0041	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Dibenz(a,h)anthracene	**0.011**		0.0074	0.0047	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Fluoranthene	**0.048**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Indeno[1,2,3-cd]pyrene	**0.027**		0.0074	0.0037	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1

Client Sample ID: SSHS-IRM5A2-A1-A45C
Date Collected: 11/01/21 16:11
Date Received: 11/02/21 10:00

Lab Sample ID: 180-129327-15
Matrix: Solid
Percent Solids: 89.6

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Naphthalene	**0.0065**	**J**	0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Phenanthrene	**0.014**		0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Pyrene	**0.069**		0.0074	0.0017	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*11/04/21 23:35*	*11/06/21 20:39*	*1*
2-Fluorophenol (Surr)	*76*		*32 - 105*	*11/04/21 23:35*	*11/06/21 20:39*	*1*
Nitrobenzene-d5 (Surr)	*89*		*34 - 109*	*11/04/21 23:35*	*11/06/21 20:39*	*1*
Phenol-d5 (Surr)	*79*		*34 - 105*	*11/04/21 23:35*	*11/06/21 20:39*	*1*
Terphenyl-d14 (Surr)	*95*		*20 - 117*	*11/04/21 23:35*	*11/06/21 20:39*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*20 - 119*	*11/04/21 23:35*	*11/06/21 20:39*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1254	ND		0.018	0.0055	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	11/04/21 12:15	11/08/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/04/21 12:15*	*11/08/21 19:19*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*11/04/21 12:15*	*11/08/21 19:19*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/04/21 12:15*	*11/08/21 19:19*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*11/04/21 12:15*	*11/08/21 19:19*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.8**		0.90	0.35	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Barium	**42**		18	0.96	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Beryllium	**0.28**	**J**	0.36	0.021	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Cadmium	**0.047**	**J**	0.45	0.033	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Chromium	**7.9**		0.45	0.37	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Copper	**19**		2.3	2.1	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Lead	**11**		0.90	0.46	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Manganese	**350**		1.4	0.37	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Nickel	**14**		3.6	0.22	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Selenium	ND		0.90	0.46	mg/Kg	☼	11/04/21 09:55	11/09/21 20:26	1

Client Sample ID: SSHS-IRM5A2-A1-A45C — Lab Sample ID: 180-129327-15

Date Collected: 11/01/21 16:11 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 89.6**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.45	0.095	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1
Zinc	**59**		1.8	1.4	mg/Kg	☼	11/04/21 09:55	11/08/21 18:18	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.024	0.015	mg/Kg	☼	11/05/21 05:57	11/08/21 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.4**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**89.6**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:10	1
Cyanide, Total	ND		0.53	0.29	mg/Kg	☼	11/07/21 18:00	11/08/21 11:22	1

Client Sample ID: SSHS-IRM5A2-A1-A46A — Lab Sample ID: 180-129327-16

Date Collected: 11/01/21 17:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 87.8**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.011	0.0089	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Benzene	ND		0.0021	0.00030	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
2-Butanone (MEK)	ND		0.0085	0.0015	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Carbon tetrachloride	ND		0.0021	0.0014	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Chlorobenzene	ND		0.0021	0.00039	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Chloroform	ND		0.0021	0.00033	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
cis-1,2-Dichloroethene	ND		0.0021	0.00063	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,2-Dichlorobenzene	ND		0.0021	0.00047	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,3-Dichlorobenzene	ND		0.0021	0.00035	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,4-Dichlorobenzene	ND		0.0021	0.00037	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,1-Dichloroethane	ND		0.0021	0.00029	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,2-Dichloroethane	ND		0.0021	0.00033	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,1-Dichloroethene	ND		0.0021	0.00077	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,4-Dioxane	ND		0.11	0.031	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Ethylbenzene	ND		0.0021	0.00044	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Methylene Chloride	ND	*+	0.011	0.0051	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Methyl tert-butyl ether	ND		0.0021	0.00084	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
n-Butylbenzene	ND		0.0021	0.0015	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
N-Propylbenzene	ND		0.0021	0.00075	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
sec-Butylbenzene	ND		0.0021	0.00080	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
tert-Butylbenzene	ND		0.0021	0.0011	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Tetrachloroethene	ND		0.0021	0.00031	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Toluene	ND		0.0021	0.00033	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
trans-1,2-Dichloroethene	ND		0.0021	0.00060	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,1,1-Trichloroethane	ND		0.0021	0.00075	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Trichloroethene	**0.00031**	**J**	0.0021	0.00027	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,2,4-Trimethylbenzene	ND		0.0021	0.00098	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
1,3,5-Trimethylbenzene	ND		0.0021	0.00082	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Vinyl chloride	ND		0.0021	0.00075	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1
Xylenes, Total	ND		0.0042	0.00067	mg/Kg	☼	11/02/21 11:05	11/05/21 10:46	1

Client Sample ID: SSHS-IRM5A2-A1-A46A — Lab Sample ID: 180-129327-16

Date Collected: 11/01/21 17:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 87.8**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*41 - 143*	*11/02/21 11:05*	*11/05/21 10:46*	*1*
Dibromofluoromethane (Surr)	*109*		*41 - 138*	*11/02/21 11:05*	*11/05/21 10:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*58 - 125*	*11/02/21 11:05*	*11/05/21 10:46*	*1*
Toluene-d8 (Surr)	*81*		*56 - 125*	*11/02/21 11:05*	*11/05/21 10:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.8**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**12.2**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A46B — Lab Sample ID: 180-129327-17

Date Collected: 11/01/21 17:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 94.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.015	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Benzene	ND		0.0036	0.00050	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
2-Butanone (MEK)	ND		0.014	0.0026	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Carbon tetrachloride	ND		0.0036	0.0023	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Chlorobenzene	ND		0.0036	0.00066	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Chloroform	ND		0.0036	0.00057	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
cis-1,2-Dichloroethene	ND		0.0036	0.0011	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,2-Dichlorobenzene	ND		0.0036	0.00080	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,3-Dichlorobenzene	ND		0.0036	0.00059	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,4-Dichlorobenzene	ND		0.0036	0.00064	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,1-Dichloroethane	ND		0.0036	0.00050	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,2-Dichloroethane	ND		0.0036	0.00056	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,1-Dichloroethene	ND		0.0036	0.0013	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,4-Dioxane	ND		0.18	0.052	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Ethylbenzene	ND		0.0036	0.00075	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Methylene Chloride	ND	*+	0.018	0.0086	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Methyl tert-butyl ether	ND		0.0036	0.0014	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
n-Butylbenzene	ND		0.0036	0.0025	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
N-Propylbenzene	ND		0.0036	0.0013	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
sec-Butylbenzene	ND		0.0036	0.0014	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
tert-Butylbenzene	ND		0.0036	0.0018	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Tetrachloroethene	ND		0.0036	0.00053	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Toluene	ND		0.0036	0.00056	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
trans-1,2-Dichloroethene	ND		0.0036	0.0010	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,1,1-Trichloroethane	ND		0.0036	0.0013	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Trichloroethene	ND		0.0036	0.00046	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,2,4-Trimethylbenzene	ND		0.0036	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
1,3,5-Trimethylbenzene	ND		0.0036	0.0014	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Vinyl chloride	ND		0.0036	0.0013	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1
Xylenes, Total	ND		0.0072	0.0011	mg/Kg	☼	11/02/21 11:05	11/05/21 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*41 - 143*	*11/02/21 11:05*	*11/05/21 11:08*	*1*
Dibromofluoromethane (Surr)	*104*		*41 - 138*	*11/02/21 11:05*	*11/05/21 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*58 - 125*	*11/02/21 11:05*	*11/05/21 11:08*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A46B — Lab Sample ID: 180-129327-17

Date Collected: 11/01/21 17:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 94.0**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*83*		*56 - 125*	*11/02/21 11:05*	*11/05/21 11:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**94.0**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**6.0**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-A46C — Lab Sample ID: 180-129327-18

Date Collected: 11/01/21 16:50 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 87.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Acenaphthylene	**0.033**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Anthracene	**0.015**		0.0074	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Benzo[a]anthracene	**0.079**		0.0074	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Benzo[a]pyrene	**0.074**		0.0074	0.0032	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Benzo[b]fluoranthene	**0.11**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Benzo[g,h,i]perylene	**0.074**		0.0074	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Benzo[k]fluoranthene	**0.050**		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Chrysene	**0.092**		0.0074	0.0041	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Dibenz(a,h)anthracene	**0.016**		0.0074	0.0047	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Fluoranthene	**0.090**		0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Fluorene	**0.0030**	**J**	0.0074	0.0015	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Hexachlorobenzene	ND		0.0074	0.0027	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Indeno[1,2,3-cd]pyrene	**0.067**		0.0074	0.0037	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Naphthalene	**0.012**		0.0074	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Phenanthrene	**0.024**		0.0074	0.0020	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Pyrene	**0.12**		0.0074	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*81*		*35 - 105*	*11/04/21 23:35*	*11/06/21 21:01*	*1*
2-Fluorophenol (Surr)	*76*		*32 - 105*	*11/04/21 23:35*	*11/06/21 21:01*	*1*
Nitrobenzene-d5 (Surr)	*91*		*34 - 109*	*11/04/21 23:35*	*11/06/21 21:01*	*1*
Phenol-d5 (Surr)	*76*		*34 - 105*	*11/04/21 23:35*	*11/06/21 21:01*	*1*
Terphenyl-d14 (Surr)	*91*		*20 - 117*	*11/04/21 23:35*	*11/06/21 21:01*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A46C
Lab Sample ID: 180-129327-18
Date Collected: 11/01/21 16:50 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 87.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*48*		*20 - 119*	*11/04/21 23:35*	*11/06/21 21:01*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1248	**0.041**		0.019	0.0045	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1254	**0.033**		0.019	0.0057	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/04/21 12:15	11/09/21 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/04/21 12:15*	*11/09/21 11:07*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*11/04/21 12:15*	*11/09/21 11:07*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/04/21 12:15*	*11/09/21 11:07*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*11/04/21 12:15*	*11/09/21 11:07*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.88	0.35	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Barium	**45**		18	0.95	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Beryllium	**0.27**	**J**	0.35	0.020	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Cadmium	**0.057**	**J**	0.44	0.032	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Chromium	**8.0**		0.44	0.36	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Copper	**17**		2.2	2.0	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Lead	**10**		0.88	0.45	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Manganese	**370**		1.3	0.36	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Nickel	**14**		3.5	0.22	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Selenium	**0.46**	**J**	0.88	0.46	mg/Kg	☼	11/04/21 09:55	11/09/21 20:31	1
Silver	ND		0.44	0.093	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1
Zinc	**54**		1.8	1.4	mg/Kg	☼	11/04/21 09:55	11/08/21 18:23	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.035	0.022	mg/Kg	☼	11/05/21 05:57	11/08/21 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.2**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**87.8**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/03/21 11:30	11/06/21 18:56	1
Cyanide, Total	**0.31**	**J**	0.54	0.30	mg/Kg	☼	11/07/21 18:00	11/08/21 11:24	1

Client Sample ID: SSHS-IRM5A2-A1-DUP5A

Lab Sample ID: 180-129327-19

Date Collected: 11/01/21 00:00
Date Received: 11/02/21 10:00

Matrix: Solid
Percent Solids: 87.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.99	0.24	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Benzene	ND		0.25	0.041	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
2-Butanone (MEK)	ND		0.99	0.15	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Carbon tetrachloride	ND		0.25	0.10	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Chlorobenzene	ND		0.25	0.035	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Chloroform	ND		0.25	0.053	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
cis-1,2-Dichloroethene	ND		0.25	0.039	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,2-Dichlorobenzene	ND		0.25	0.12	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,3-Dichlorobenzene	ND		0.25	0.045	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,4-Dichlorobenzene	ND		0.25	0.054	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,1-Dichloroethane	ND		0.25	0.047	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,2-Dichloroethane	ND		0.25	0.046	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,1-Dichloroethene	ND		0.25	0.081	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,4-Dioxane	ND		12	2.3	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Ethylbenzene	ND		0.25	0.046	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Methylene Chloride	**0.62**	**B *+**	0.49	0.38	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Methyl tert-butyl ether	ND		0.25	0.037	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
n-Butylbenzene	ND		0.25	0.069	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
N-Propylbenzene	ND		0.25	0.057	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
sec-Butylbenzene	ND		0.25	0.049	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
tert-Butylbenzene	ND		0.25	0.049	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Tetrachloroethene	ND		0.25	0.096	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Toluene	ND		0.25	0.24	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
trans-1,2-Dichloroethene	ND		0.25	0.061	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,1,1-Trichloroethane	ND		0.25	0.077	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Trichloroethene	ND		0.25	0.14	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,2,4-Trimethylbenzene	ND		0.25	0.052	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
1,3,5-Trimethylbenzene	ND		0.25	0.039	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Vinyl chloride	ND		0.25	0.12	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1
Xylenes, Total	ND		0.49	0.090	mg/Kg	☼	11/03/21 14:32	11/06/21 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/03/21 14:32*	*11/06/21 07:30*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/03/21 14:32*	*11/06/21 07:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*58 - 125*	*11/03/21 14:32*	*11/06/21 07:30*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/03/21 14:32*	*11/06/21 07:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.4**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**12.6**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-DUP5B

Lab Sample ID: 180-129327-20

Date Collected: 11/01/21 00:00
Date Received: 11/02/21 10:00

Matrix: Solid
Percent Solids: 87.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.020	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Benzene	ND		0.0047	0.00065	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1

Client Sample ID: SSHS-IRM5A2-A1-DUP5B — Lab Sample ID: 180-129327-20

Date Collected: 11/01/21 00:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 87.2**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.019	0.0033	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Carbon tetrachloride	ND		0.0047	0.0030	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Chlorobenzene	ND		0.0047	0.00086	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Chloroform	ND		0.0047	0.00074	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,2-Dichlorobenzene	ND		0.0047	0.0010	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,3-Dichlorobenzene	ND		0.0047	0.00076	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,4-Dichlorobenzene	ND		0.0047	0.00083	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,1-Dichloroethane	ND		0.0047	0.00065	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,2-Dichloroethane	ND		0.0047	0.00072	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,1-Dichloroethene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,4-Dioxane	ND		0.23	0.068	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Ethylbenzene	ND		0.0047	0.00098	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Methylene Chloride	ND	*+	0.023	0.011	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Methyl tert-butyl ether	ND		0.0047	0.0019	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
n-Butylbenzene	ND		0.0047	0.0032	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
sec-Butylbenzene	ND		0.0047	0.0018	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
tert-Butylbenzene	ND		0.0047	0.0024	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Tetrachloroethene	ND		0.0047	0.00068	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Toluene	ND		0.0047	0.00072	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
trans-1,2-Dichloroethene	ND		0.0047	0.0013	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,1,1-Trichloroethane	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Trichloroethene	ND		0.0047	0.00059	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0022	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0018	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Vinyl chloride	ND		0.0047	0.0017	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1
Xylenes, Total	ND		0.0094	0.0015	mg/Kg	☼	11/02/21 11:05	11/05/21 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*41 - 143*	*11/02/21 11:05*	*11/05/21 12:14*	*1*
Dibromofluoromethane (Surr)	*103*		*41 - 138*	*11/02/21 11:05*	*11/05/21 12:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*58 - 125*	*11/02/21 11:05*	*11/05/21 12:14*	*1*
Toluene-d8 (Surr)	*85*		*56 - 125*	*11/02/21 11:05*	*11/05/21 12:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.2**		0.1	0.1	%			11/03/21 09:56	1
Percent Moisture	**12.8**		0.1	0.1	%			11/03/21 09:56	1

Client Sample ID: SSHS-IRM5A2-A1-DUP5C — Lab Sample ID: 180-129327-21

Date Collected: 11/01/21 00:00 — **Matrix: Solid**
Date Received: 11/02/21 10:00 — **Percent Solids: 90.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0031**	**J**	0.0073	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Acenaphthylene	**0.093**		0.0073	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Anthracene	**0.044**		0.0073	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Benzo[a]anthracene	**0.21**		0.0073	0.0033	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1

Client Sample ID: SSHS-IRM5A2-A1-DUP5C **Lab Sample ID: 180-129327-21**
Date Collected: 11/01/21 00:00 **Matrix: Solid**
Date Received: 11/02/21 10:00 **Percent Solids: 90.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.18**		0.0073	0.0031	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Benzo[b]fluoranthene	**0.32**		0.0073	0.0018	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Benzo[g,h,i]perylene	**0.19**		0.0073	0.0016	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Benzo[k]fluoranthene	**0.090**		0.0073	0.0022	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Chrysene	**0.25**		0.0073	0.0040	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Dibenz(a,h)anthracene	**0.051**		0.0073	0.0046	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Fluoranthene	**0.25**		0.0073	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Fluorene	**0.0080**		0.0073	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Indeno[1,2,3-cd]pyrene	**0.17**		0.0073	0.0036	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Naphthalene	**0.034**		0.0073	0.0014	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Phenanthrene	**0.063**		0.0073	0.0019	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Pyrene	**0.36**		0.0073	0.0017	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/04/21 23:35	11/06/21 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*11/04/21 23:35*	*11/06/21 21:23*	*1*
2-Fluorophenol (Surr)	*73*		*32 - 105*	*11/04/21 23:35*	*11/06/21 21:23*	*1*
Nitrobenzene-d5 (Surr)	*81*		*34 - 109*	*11/04/21 23:35*	*11/06/21 21:23*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/04/21 23:35*	*11/06/21 21:23*	*1*
Terphenyl-d14 (Surr)	*84*		*20 - 117*	*11/04/21 23:35*	*11/06/21 21:23*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*11/04/21 23:35*	*11/06/21 21:23*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1248	**0.059**		0.018	0.0043	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1254	**0.025**		0.018	0.0054	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/04/21 12:15	11/09/21 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/04/21 12:15*	*11/09/21 12:03*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*11/04/21 12:15*	*11/09/21 12:03*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

Client Sample ID: SSHS-IRM5A2-A1-DUP5C

Lab Sample ID: 180-129327-21

Date Collected: 11/01/21 00:00
Date Received: 11/02/21 10:00

Matrix: Solid
Percent Solids: 90.3

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*11/04/21 12:15*	*11/09/21 12:03*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*11/04/21 12:15*	*11/09/21 12:03*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.4**		0.88	0.34	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Barium	**46**		18	0.94	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Beryllium	**0.31**	**J**	0.35	0.020	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Cadmium	**0.051**	**J**	0.44	0.032	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Chromium	**8.7**		0.44	0.36	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Copper	**19**		2.2	2.0	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Lead	**11**		0.88	0.45	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Manganese	**380**		1.3	0.36	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Nickel	**14**		3.5	0.22	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Selenium	ND		0.88	0.45	mg/Kg	☼	11/04/21 09:55	11/09/21 20:35	1
Silver	ND		0.44	0.093	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1
Zinc	**54**		1.8	1.4	mg/Kg	☼	11/04/21 09:55	11/08/21 18:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.030	0.019	mg/Kg	☼	11/05/21 05:57	11/08/21 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			11/04/21 10:36	1
Percent Solids	**90.3**		0.1	0.1	%			11/04/21 10:36	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:17	1
Cyanide, Total	**0.29**	**J**	0.44	0.24	mg/Kg	☼	11/07/21 18:00	11/08/21 11:25	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-511256/1-A
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1.0	0.24	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Benzene	ND		0.25	0.042	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
2-Butanone (MEK)	ND		1.0	0.16	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Carbon tetrachloride	ND		0.25	0.10	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Chlorobenzene	ND		0.25	0.035	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Chloroform	ND		0.25	0.054	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
cis-1,2-Dichloroethene	ND		0.25	0.040	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,2-Dichlorobenzene	ND		0.25	0.12	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,3-Dichlorobenzene	ND		0.25	0.046	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,4-Dichlorobenzene	ND		0.25	0.055	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,1-Dichloroethane	ND		0.25	0.048	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,2-Dichloroethane	ND		0.25	0.047	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,1-Dichloroethene	ND		0.25	0.082	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,4-Dioxane	ND		13	2.3	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Ethylbenzene	ND		0.25	0.047	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Methylene Chloride	0.674		0.50	0.38	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Methyl tert-butyl ether	ND		0.25	0.037	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
n-Butylbenzene	ND		0.25	0.070	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
N-Propylbenzene	ND		0.25	0.057	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
sec-Butylbenzene	ND		0.25	0.050	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
tert-Butylbenzene	ND		0.25	0.050	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Tetrachloroethene	ND		0.25	0.097	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Toluene	ND		0.25	0.24	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
trans-1,2-Dichloroethene	ND		0.25	0.062	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,1,1-Trichloroethane	ND		0.25	0.078	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Trichloroethene	ND		0.25	0.14	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,2,4-Trimethylbenzene	ND		0.25	0.053	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
1,3,5-Trimethylbenzene	ND		0.25	0.039	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Vinyl chloride	ND		0.25	0.12	mg/Kg		11/03/21 14:32	11/06/21 06:41	1
Xylenes, Total	ND		0.50	0.091	mg/Kg		11/03/21 14:32	11/06/21 06:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*41 - 143*	*11/03/21 14:32*	*11/06/21 06:41*	*1*
Dibromofluoromethane (Surr)	*85*		*41 - 138*	*11/03/21 14:32*	*11/06/21 06:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*58 - 125*	*11/03/21 14:32*	*11/06/21 06:41*	*1*
Toluene-d8 (Surr)	*85*		*56 - 125*	*11/03/21 14:32*	*11/06/21 06:41*	*1*

Lab Sample ID: LCS 240-511256/2-A
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2.00	2.62		mg/Kg		131	58 - 160
Benzene	1.00	0.926		mg/Kg		93	76 - 121
2-Butanone (MEK)	2.00	2.02		mg/Kg		101	63 - 142
Carbon tetrachloride	1.00	0.831		mg/Kg		83	64 - 144
Chlorobenzene	1.00	0.972		mg/Kg		97	80 - 120
Chloroform	1.00	0.954		mg/Kg		95	78 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511256/2-A
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	1.00	0.922		mg/Kg		92	78 - 124
1,2-Dichlorobenzene	1.00	0.978		mg/Kg		98	73 - 120
1,3-Dichlorobenzene	1.00	0.947		mg/Kg		95	73 - 120
1,4-Dichlorobenzene	1.00	0.947		mg/Kg		95	74 - 120
1,1-Dichloroethane	1.00	0.913		mg/Kg		91	74 - 121
1,2-Dichloroethane	1.00	1.00		mg/Kg		100	71 - 123
1,1-Dichloroethene	1.00	0.862		mg/Kg		86	68 - 141
1,4-Dioxane	20.0	21.0		mg/Kg		105	57 - 147
Ethylbenzene	1.00	0.937		mg/Kg		94	80 - 120
Methylene Chloride	1.00	1.69	*+	mg/Kg		169	71 - 124
Methyl tert-butyl ether	1.00	0.916		mg/Kg		92	70 - 130
n-Butylbenzene	1.00	0.888		mg/Kg		89	70 - 135
N-Propylbenzene	1.00	0.942		mg/Kg		94	78 - 126
sec-Butylbenzene	1.00	0.949		mg/Kg		95	77 - 130
tert-Butylbenzene	1.00	0.963		mg/Kg		96	79 - 128
Tetrachloroethene	1.00	0.922		mg/Kg		92	76 - 127
Toluene	1.00	0.917		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	1.00	0.935		mg/Kg		93	76 - 130
1,1,1-Trichloroethane	1.00	0.880		mg/Kg		88	74 - 136
Trichloroethene	1.00	0.909		mg/Kg		91	74 - 130
1,2,4-Trimethylbenzene	1.00	0.978		mg/Kg		98	77 - 130
1,3,5-Trimethylbenzene	1.00	0.960		mg/Kg		96	79 - 128
Vinyl chloride	1.00	0.681		mg/Kg		68	49 - 146
Xylenes, Total	2.00	1.90		mg/Kg		95	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*41 - 143*
Dibromofluoromethane (Surr)	*87*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 125*
Toluene-d8 (Surr)	*83*		*56 - 125*

Lab Sample ID: MB 240-511273/1-A
Matrix: Solid
Analysis Batch: 511357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/03/21 15:50	11/04/21 13:12	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-511273/1-A
Matrix: Solid
Analysis Batch: 511357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/04/21 13:12	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/03/21 15:50	11/04/21 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/03/21 15:50*	*11/04/21 13:12*	*1*
Dibromofluoromethane (Surr)	*90*		*41 - 138*	*11/03/21 15:50*	*11/04/21 13:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*	*11/03/21 15:50*	*11/04/21 13:12*	*1*
Toluene-d8 (Surr)	*93*		*56 - 125*	*11/03/21 15:50*	*11/04/21 13:12*	*1*

Lab Sample ID: MB 240-511273/2-A
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/03/21 15:50	11/05/21 10:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-511273/2-A
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/03/21 15:50	11/05/21 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*41 - 143*	*11/03/21 15:50*	*11/05/21 10:00*	*1*
Dibromofluoromethane (Surr)	*103*		*41 - 138*	*11/03/21 15:50*	*11/05/21 10:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*58 - 125*	*11/03/21 15:50*	*11/05/21 10:00*	*1*
Toluene-d8 (Surr)	*85*		*56 - 125*	*11/03/21 15:50*	*11/05/21 10:00*	*1*

Lab Sample ID: LCS 240-511357/5
Matrix: Solid
Analysis Batch: 511357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.143		mg/Kg		143	58 - 160
Benzene	0.0500	0.0489		mg/Kg		98	76 - 121
2-Butanone (MEK)	0.100	0.117		mg/Kg		117	63 - 142
Carbon tetrachloride	0.0500	0.0560		mg/Kg		112	64 - 144
Chlorobenzene	0.0500	0.0498		mg/Kg		100	80 - 120
Chloroform	0.0500	0.0494		mg/Kg		99	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0489		mg/Kg		98	78 - 124
1,2-Dichlorobenzene	0.0500	0.0527		mg/Kg		105	73 - 120
1,3-Dichlorobenzene	0.0500	0.0529		mg/Kg		106	73 - 120
1,4-Dichlorobenzene	0.0500	0.0532		mg/Kg		106	74 - 120
1,1-Dichloroethane	0.0500	0.0491		mg/Kg		98	74 - 121
1,2-Dichloroethane	0.0500	0.0508		mg/Kg		102	71 - 123
1,1-Dichloroethene	0.0500	0.0553		mg/Kg		111	68 - 141
1,4-Dioxane	1.00	1.04		mg/Kg		104	57 - 147
Ethylbenzene	0.0500	0.0518		mg/Kg		104	80 - 120
Methylene Chloride	0.0500	0.0621		mg/Kg		124	71 - 124
Methyl tert-butyl ether	0.0500	0.0499		mg/Kg		100	70 - 130
n-Butylbenzene	0.0500	0.0564		mg/Kg		113	70 - 135
N-Propylbenzene	0.0500	0.0547		mg/Kg		109	78 - 126
sec-Butylbenzene	0.0500	0.0557		mg/Kg		111	77 - 130
tert-Butylbenzene	0.0500	0.0562		mg/Kg		112	79 - 128
Tetrachloroethene	0.0500	0.0545		mg/Kg		109	76 - 127
Toluene	0.0500	0.0491		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0535		mg/Kg		107	76 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511357/5
Matrix: Solid
Analysis Batch: 511357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0500	0.0551		mg/Kg		110	74 - 136
Trichloroethene	0.0500	0.0526		mg/Kg		105	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0549		mg/Kg		110	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0551		mg/Kg		110	79 - 128
Vinyl chloride	0.0200	0.0219		mg/Kg		110	49 - 146
Xylenes, Total	0.100	0.105		mg/Kg		105	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*41 - 143*
Dibromofluoromethane (Surr)	*90*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*83*		*58 - 125*
Toluene-d8 (Surr)	*94*		*56 - 125*

Lab Sample ID: LCS 240-511582/7
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.119		mg/Kg		119	58 - 160
Benzene	0.0500	0.0518		mg/Kg		104	76 - 121
2-Butanone (MEK)	0.100	0.117		mg/Kg		117	63 - 142
Carbon tetrachloride	0.0500	0.0587		mg/Kg		117	64 - 144
Chlorobenzene	0.0500	0.0458		mg/Kg		92	80 - 120
Chloroform	0.0500	0.0506		mg/Kg		101	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0522		mg/Kg		104	78 - 124
1,2-Dichlorobenzene	0.0500	0.0446		mg/Kg		89	73 - 120
1,3-Dichlorobenzene	0.0500	0.0437		mg/Kg		87	73 - 120
1,4-Dichlorobenzene	0.0500	0.0444		mg/Kg		89	74 - 120
1,1-Dichloroethane	0.0500	0.0523		mg/Kg		105	74 - 121
1,2-Dichloroethane	0.0500	0.0491		mg/Kg		98	71 - 123
1,1-Dichloroethene	0.0500	0.0564		mg/Kg		113	68 - 141
1,4-Dioxane	1.00	0.925		mg/Kg		93	57 - 147
Ethylbenzene	0.0500	0.0466		mg/Kg		93	80 - 120
Methylene Chloride	0.0500	0.0626	*+	mg/Kg		125	71 - 124
Methyl tert-butyl ether	0.0500	0.0496		mg/Kg		99	70 - 130
n-Butylbenzene	0.0500	0.0481		mg/Kg		96	70 - 135
N-Propylbenzene	0.0500	0.0478		mg/Kg		96	78 - 126
sec-Butylbenzene	0.0500	0.0471		mg/Kg		94	77 - 130
tert-Butylbenzene	0.0500	0.0454		mg/Kg		91	79 - 128
Tetrachloroethene	0.0500	0.0485		mg/Kg		97	76 - 127
Toluene	0.0500	0.0460		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0543		mg/Kg		109	76 - 130
1,1,1-Trichloroethane	0.0500	0.0540		mg/Kg		108	74 - 136
Trichloroethene	0.0500	0.0530		mg/Kg		106	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0472		mg/Kg		94	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0470		mg/Kg		94	79 - 128
Vinyl chloride	0.0200	0.0240		mg/Kg		120	49 - 146
Xylenes, Total	0.100	0.0967		mg/Kg		97	80 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511582/7
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*87*		*41 - 143*
Dibromofluoromethane (Surr)	*99*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*96*		*58 - 125*
Toluene-d8 (Surr)	*88*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-377715/1-A
Matrix: Solid
Analysis Batch: 377905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Phenol	ND		0.033	0.010	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
Pyridine	ND		0.067	0.018	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/04/21 23:35	11/06/21 11:37	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/04/21 23:35	11/06/21 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*79*		*35 - 105*	*11/04/21 23:35*	*11/06/21 11:37*	*1*
2-Fluorophenol (Surr)	*90*		*32 - 105*	*11/04/21 23:35*	*11/06/21 11:37*	*1*
Nitrobenzene-d5 (Surr)	*92*		*34 - 109*	*11/04/21 23:35*	*11/06/21 11:37*	*1*
Phenol-d5 (Surr)	*81*		*34 - 105*	*11/04/21 23:35*	*11/06/21 11:37*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-377715/1-A
Matrix: Solid
Analysis Batch: 377905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377715

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*91*		*20 - 117*	*11/04/21 23:35*	*11/06/21 11:37*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*20 - 119*	*11/04/21 23:35*	*11/06/21 11:37*	*1*

Lab Sample ID: LCS 180-377715/2-A
Matrix: Solid
Analysis Batch: 377905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.493		mg/Kg		74	41 - 100
Acenaphthylene	0.667	0.500		mg/Kg		75	45 - 100
Anthracene	0.667	0.523		mg/Kg		78	47 - 100
Benzo[a]anthracene	0.667	0.551		mg/Kg		83	47 - 100
Benzo[a]pyrene	0.667	0.473		mg/Kg		71	45 - 101
Benzo[b]fluoranthene	0.667	0.467		mg/Kg		70	44 - 100
Benzo[g,h,i]perylene	0.667	0.488		mg/Kg		73	45 - 103
Benzo[k]fluoranthene	0.667	0.436		mg/Kg		65	43 - 100
Chrysene	0.667	0.508		mg/Kg		76	44 - 100
Dibenz(a,h)anthracene	0.667	0.495		mg/Kg		74	46 - 107
Dibenzofuran	0.667	0.460		mg/Kg		69	47 - 100
2,4-Dinitrotoluene	0.667	0.520		mg/Kg		78	48 - 106
1,4-Dioxane	0.667	0.677		mg/Kg		102	10 - 133
Fluoranthene	0.667	0.534		mg/Kg		80	49 - 102
Fluorene	0.667	0.494		mg/Kg		74	46 - 100
Hexachlorobenzene	0.667	0.504		mg/Kg		76	45 - 101
Hexachlorobutadiene	0.667	0.516		mg/Kg		77	38 - 110
Hexachloroethane	0.667	0.499		mg/Kg		75	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.507		mg/Kg		76	48 - 104
2-Methylphenol	0.667	0.509		mg/Kg		76	43 - 101
Methylphenol, 3 & 4	0.667	0.490		mg/Kg		73	43 - 104
Naphthalene	0.667	0.478		mg/Kg		72	43 - 100
Nitrobenzene	0.667	0.556		mg/Kg		83	43 - 107
Pentachlorophenol	1.33	1.02		mg/Kg		76	34 - 112
Phenanthrene	0.667	0.491		mg/Kg		74	46 - 100
Phenol	0.667	0.522		mg/Kg		78	42 - 103
Pyrene	0.667	0.563		mg/Kg		84	44 - 102
Pyridine	1.33	1.26		mg/Kg		94	25 - 109
2,4,5-Trichlorophenol	0.667	0.527		mg/Kg		79	47 - 108
2,4,6-Trichlorophenol	0.667	0.558		mg/Kg		84	47 - 108

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*95*		*32 - 105*
Nitrobenzene-d5 (Surr)	*85*		*34 - 109*
Phenol-d5 (Surr)	*87*		*34 - 105*
Terphenyl-d14 (Surr)	*83*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*83*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377541/1-A
Matrix: Solid
Analysis Batch: 377981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/04/21 12:15	11/08/21 16:13	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/04/21 12:15	11/08/21 16:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*11/04/21 12:15*	*11/08/21 16:13*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/04/21 12:15*	*11/08/21 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*11/04/21 12:15*	*11/08/21 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*11/04/21 12:15*	*11/08/21 16:13*	*1*

Lab Sample ID: LCS 180-377541/2-A
Matrix: Solid
Analysis Batch: 377981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.10		mg/Kg		83	43 - 136
PCB-1260	1.33	1.10		mg/Kg		82	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-377468/1-A
Matrix: Solid
Analysis Batch: 378160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Barium	ND		20	1.1	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Beryllium	ND		0.40	0.023	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Cadmium	ND		0.50	0.036	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Chromium	ND		0.50	0.41	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Copper	ND		2.5	2.3	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Lead	ND		1.0	0.51	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Manganese	ND		1.5	0.41	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Nickel	ND		4.0	0.25	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Silver	ND		0.50	0.11	mg/Kg		11/04/21 09:55	11/08/21 16:37	1
Zinc	ND		2.0	1.6	mg/Kg		11/04/21 09:55	11/08/21 16:37	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-377468/1-A
Matrix: Solid
Analysis Batch: 378321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.0	0.52	mg/Kg		11/04/21 09:55	11/09/21 19:09	1

Lab Sample ID: LCS 180-377468/2-A
Matrix: Solid
Analysis Batch: 378160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	103		mg/Kg		103	80 - 120
Barium	100	100		mg/Kg		100	80 - 120
Beryllium	50.0	50.1		mg/Kg		100	80 - 120
Cadmium	50.0	49.4		mg/Kg		99	80 - 120
Chromium	50.0	49.7		mg/Kg		99	80 - 120
Copper	50.0	49.7		mg/Kg		99	80 - 120
Lead	50.0	49.0		mg/Kg		98	80 - 120
Manganese	50.0	49.6		mg/Kg		99	80 - 120
Nickel	50.0	49.8		mg/Kg		100	80 - 120
Silver	25.0	24.5		mg/Kg		98	80 - 120
Zinc	25.0	24.9		mg/Kg		100	80 - 120

Lab Sample ID: LCS 180-377468/2-A
Matrix: Solid
Analysis Batch: 378321

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	100	101		mg/Kg		101	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-377726/1-A
Matrix: Solid
Analysis Batch: 378122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377726

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/05/21 05:57	11/08/21 14:22	1

Lab Sample ID: LCS 180-377726/2-A
Matrix: Solid
Analysis Batch: 378122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.397		mg/Kg		95	80 - 120

Lab Sample ID: 180-129327-3 MS
Matrix: Solid
Analysis Batch: 378122

Client Sample ID: SSHS-IRM5A2-A1-A41C
Prep Type: Total/NA
Prep Batch: 377726

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.030		0.142	0.171		mg/Kg	☼	100	80 - 120

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-129327-3 MSD
Matrix: Solid
Analysis Batch: 378122

Client Sample ID: SSHS-IRM5A2-A1-A41C
Prep Type: Total/NA
Prep Batch: 377726

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.030		0.165	0.184		mg/Kg	☼	94	80 - 120	8	20

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-377500/1-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/03/21 11:30	11/06/21 18:26	1

Lab Sample ID: LCSI 180-377500/3-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	708		mg/Kg		100	80 - 120

Lab Sample ID: LCSS 180-377500/2-A
Matrix: Solid
Analysis Batch: 377958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377500

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.1		mg/Kg		91	80 - 120

Lab Sample ID: MB 180-377927/1-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/09/21 16:20	11/10/21 19:00	1

Lab Sample ID: LCSI 180-377927/3-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377927

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	692		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-377927/2-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377927

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.4		mg/Kg		87	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-377964/4-A
Matrix: Solid
Analysis Batch: 378104

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/07/21 18:00	11/08/21 10:41	1

Lab Sample ID: HLCS 180-377964/2-A
Matrix: Solid
Analysis Batch: 378104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377964

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.258		mg/Kg		103	90 - 110		

Lab Sample ID: LCS 180-377964/3-A
Matrix: Solid
Analysis Batch: 378104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377964

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			23.1	19.0		mg/Kg		82	17 - 163		

Lab Sample ID: LLCS 180-377964/1-A
Matrix: Solid
Analysis Batch: 378104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377964

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0535		mg/Kg		107	90 - 110		

Method: Moisture - Percent Moisture

Lab Sample ID: 180-129327-11 DU
Matrix: Solid
Analysis Batch: 511205

Client Sample ID: SSHS-IRM5A2-A1-A44B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	90.6			88.4		%				3	20
Percent Moisture	9.4			11.6	F3	%				22	20

GC/MS VOA

Prep Batch: 511256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-19	SSHS-IRM5A2-A1-DUP5A	Total/NA	Solid	5035	
MB 240-511256/1-A	Method Blank	Total/NA	Solid	5035	
LCS 240-511256/2-A	Lab Control Sample	Total/NA	Solid	5035	

Prep Batch: 511273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-1	SSHS-IRM5A2-A1-A41A	Total/NA	Solid	5035	
180-129327-2	SSHS-IRM5A2-A1-A41B	Total/NA	Solid	5035	
180-129327-4	SSHS-IRM5A2-A1-A42A	Total/NA	Solid	5035	
180-129327-5	SSHS-IRM5A2-A1-A42B	Total/NA	Solid	5035	
180-129327-7	SSHS-IRM5A2-A1-A43A	Total/NA	Solid	5035	
180-129327-8	SSHS-IRM5A2-A1-A43B	Total/NA	Solid	5035	
180-129327-10	SSHS-IRM5A2-A1-A44A	Total/NA	Solid	5035	
180-129327-11	SSHS-IRM5A2-A1-A44B	Total/NA	Solid	5035	
180-129327-13	SSHS-IRM5A2-A1-A45A	Total/NA	Solid	5035	
180-129327-14	SSHS-IRM5A2-A1-A45B	Total/NA	Solid	5035	
180-129327-16	SSHS-IRM5A2-A1-A46A	Total/NA	Solid	5035	
180-129327-17	SSHS-IRM5A2-A1-A46B	Total/NA	Solid	5035	
180-129327-20	SSHS-IRM5A2-A1-DUP5B	Total/NA	Solid	5035	
MB 240-511273/1-A	Method Blank	Total/NA	Solid	5035	
MB 240-511273/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 511357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-1	SSHS-IRM5A2-A1-A41A	Total/NA	Solid	8260C	511273
180-129327-2	SSHS-IRM5A2-A1-A41B	Total/NA	Solid	8260C	511273
180-129327-4	SSHS-IRM5A2-A1-A42A	Total/NA	Solid	8260C	511273
180-129327-7	SSHS-IRM5A2-A1-A43A	Total/NA	Solid	8260C	511273
180-129327-8	SSHS-IRM5A2-A1-A43B	Total/NA	Solid	8260C	511273
180-129327-10	SSHS-IRM5A2-A1-A44A	Total/NA	Solid	8260C	511273
180-129327-11	SSHS-IRM5A2-A1-A44B	Total/NA	Solid	8260C	511273
180-129327-13	SSHS-IRM5A2-A1-A45A	Total/NA	Solid	8260C	511273
180-129327-14	SSHS-IRM5A2-A1-A45B	Total/NA	Solid	8260C	511273
MB 240-511273/1-A	Method Blank	Total/NA	Solid	8260C	511273
LCS 240-511357/5	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 511582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-5	SSHS-IRM5A2-A1-A42B	Total/NA	Solid	8260C	511273
180-129327-16	SSHS-IRM5A2-A1-A46A	Total/NA	Solid	8260C	511273
180-129327-17	SSHS-IRM5A2-A1-A46B	Total/NA	Solid	8260C	511273
180-129327-20	SSHS-IRM5A2-A1-DUP5B	Total/NA	Solid	8260C	511273
MB 240-511273/2-A	Method Blank	Total/NA	Solid	8260C	511273
LCS 240-511582/7	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 511730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-19	SSHS-IRM5A2-A1-DUP5A	Total/NA	Solid	8260C	511256
MB 240-511256/1-A	Method Blank	Total/NA	Solid	8260C	511256
LCS 240-511256/2-A	Lab Control Sample	Total/NA	Solid	8260C	511256

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129327-1

GC/MS Semi VOA

Prep Batch: 377715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	3541	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	3541	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	3541	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	3541	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	3541	
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	3541	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	3541	
MB 180-377715/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377715/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 377905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 8270D LL	377715
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 8270D LL	377715
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 8270D LL	377715
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 8270D LL	377715
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 8270D LL	377715
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 8270D LL	377715
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 8270D LL	377715
MB 180-377715/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	377715
LCS 180-377715/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	377715

GC Semi VOA

Prep Batch: 377541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	3541	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	3541	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	3541	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	3541	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	3541	
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	3541	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	3541	
MB 180-377541/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377541/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 377981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 8082A	377987
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 8082A	377987
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 8082A	377987
MB 180-377541/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377541
LCS 180-377541/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377541

Cleanup Batch: 377986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	3665A	377541
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	3665A	377541
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	3665A	377541
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	3665A	377541
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	3665A	377541

GC Semi VOA (Continued)

Cleanup Batch: 377986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	3665A	377541
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	3665A	377541

Cleanup Batch: 377987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	3660B	377986
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	3660B	377986
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	3660B	377986
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	3660B	377986
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	3660B	377986
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	3660B	377986
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	3660B	377986

Analysis Batch: 378176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 8082A	377987
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 8082A	377987
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 8082A	377987
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 8082A	377987

Metals

Prep Batch: 377468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	3050B	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	3050B	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	3050B	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	3050B	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	3050B	
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	3050B	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	3050B	
MB 180-377468/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-377468/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 377726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	7471B	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	7471B	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	7471B	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	7471B	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	7471B	
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	7471B	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	7471B	
MB 180-377726/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-377726/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-129327-3 MS	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	7471B	
180-129327-3 MSD	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	7471B	

Analysis Batch: 378122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 7471B	377726

Metals (Continued)

Analysis Batch: 378122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 7471B	377726
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 7471B	377726
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 7471B	377726
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 7471B	377726
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 7471B	377726
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 7471B	377726
MB 180-377726/1-A	Method Blank	Total/NA	Solid	EPA 7471B	377726
LCS 180-377726/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	377726
180-129327-3 MS	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 7471B	377726
180-129327-3 MSD	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 7471B	377726

Analysis Batch: 378160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 6010C	377468
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 6010C	377468
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 6010C	377468
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 6010C	377468
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 6010C	377468
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 6010C	377468
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 6010C	377468
MB 180-377468/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377468
LCS 180-377468/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377468

Analysis Batch: 378321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 6010C	377468
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 6010C	377468
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 6010C	377468
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 6010C	377468
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 6010C	377468
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 6010C	377468
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 6010C	377468
MB 180-377468/1-A	Method Blank	Total/NA	Solid	EPA 6010C	377468
LCS 180-377468/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	377468

General Chemistry

Prep Batch: 377500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	3060A	
MB 180-377500/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 377625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	2540G	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	2540G	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	2540G	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	2540G	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 377625 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	2540G	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	2540G	

Prep Batch: 377927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	3060A	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	3060A	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	3060A	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	3060A	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	3060A	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	3060A	
MB 180-377927/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377927/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377927/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 377958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 7196A	377500
MB 180-377500/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377500
LCSI 180-377500/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500
LCSS 180-377500/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377500

Prep Batch: 377964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	9010C	
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	9010C	
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	9010C	
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	9010C	
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	9010C	
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	9010C	
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	9010C	
MB 180-377964/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-377964/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-377964/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-377964/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 378104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 9014	377964
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 9014	377964
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 9014	377964
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 9014	377964
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 9014	377964
180-129327-18	SSHS-IRM5A2-A1-A46C	Total/NA	Solid	EPA 9014	377964
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 9014	377964
MB 180-377964/4-A	Method Blank	Total/NA	Solid	EPA 9014	377964
HLCS 180-377964/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377964
LCS 180-377964/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377964
LLCS 180-377964/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	377964

Client: Geosyntec Consultants, Inc.
Job ID: 180-129327-1
Project/Site: Former Sperry Remington-Reuse

General Chemistry

Analysis Batch: 378489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-3	SSHS-IRM5A2-A1-A41C	Total/NA	Solid	EPA 7196A	377927
180-129327-6	SSHS-IRM5A2-A1-A42C	Total/NA	Solid	EPA 7196A	377927
180-129327-9	SSHS-IRM5A2-A1-A43C	Total/NA	Solid	EPA 7196A	377927
180-129327-12	SSHS-IRM5A2-A1-A44C	Total/NA	Solid	EPA 7196A	377927
180-129327-15	SSHS-IRM5A2-A1-A45C	Total/NA	Solid	EPA 7196A	377927
180-129327-21	SSHS-IRM5A2-A1-DUP5C	Total/NA	Solid	EPA 7196A	377927
MB 180-377927/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377927
LCSI 180-377927/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377927
LCSS 180-377927/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377927

Analysis Batch: 511205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129327-1	SSHS-IRM5A2-A1-A41A	Total/NA	Solid	Moisture	
180-129327-2	SSHS-IRM5A2-A1-A41B	Total/NA	Solid	Moisture	
180-129327-4	SSHS-IRM5A2-A1-A42A	Total/NA	Solid	Moisture	
180-129327-5	SSHS-IRM5A2-A1-A42B	Total/NA	Solid	Moisture	
180-129327-7	SSHS-IRM5A2-A1-A43A	Total/NA	Solid	Moisture	
180-129327-8	SSHS-IRM5A2-A1-A43B	Total/NA	Solid	Moisture	
180-129327-10	SSHS-IRM5A2-A1-A44A	Total/NA	Solid	Moisture	
180-129327-11	SSHS-IRM5A2-A1-A44B	Total/NA	Solid	Moisture	
180-129327-13	SSHS-IRM5A2-A1-A45A	Total/NA	Solid	Moisture	
180-129327-14	SSHS-IRM5A2-A1-A45B	Total/NA	Solid	Moisture	
180-129327-16	SSHS-IRM5A2-A1-A46A	Total/NA	Solid	Moisture	
180-129327-17	SSHS-IRM5A2-A1-A46B	Total/NA	Solid	Moisture	
180-129327-19	SSHS-IRM5A2-A1-DUP5A	Total/NA	Solid	Moisture	
180-129327-20	SSHS-IRM5A2-A1-DUP5B	Total/NA	Solid	Moisture	
180-129327-11 DU	SSHS-IRM5A2-A1-A44B	Total/NA	Solid	Moisture	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

composite sample collection times noted below
as discussed with Miranda Stelmach
D. Dunlap 11/9/21

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A41A	11/1/21	1400	G	S	N	N	X								4	Containers for PFAS (2 pe sent directly to Eurofins S
SSHS-IRM5A2-A1-A41B	11/1/21	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A41C collection time = 13:50	11/1/21	1400	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A42A	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42B	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42C collection time = 14:30	11/1/21	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A43A	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43B	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43C collection time = 15:30	11/1/21	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A44A	11/1/21	1545	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A44B	11/1/21	1545	G	S	N	N	X								4	

180-129326 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		11/1/21 1730			11/2/21 1000	FEDEX
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Due Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

composite sample collection times noted below as discussed with Miranda Stelmach
D. Dunlap 11/9/21

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A44C collection time = 15:30	11/1/21	1545	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A45A	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45B	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45C collection time = 16:11	11/1/21	1620	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A46A	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46B	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46C collection time = 16:50	11/1/21	1700	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP5A	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5B	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5C	11/1/21		C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/1/21 1730			11/2/21 1000	EMPL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

1-3/1-4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A41A	11/1/21	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A41B	11/1/21	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A41C	11/1/21	1400	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A42A	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42B	11/1/21	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A42C	11/1/21	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A43A	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43B	11/1/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A43C	11/1/21	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A44A	11/1/21	1545	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A44B	11/1/21	1545	G	S	N	N	X								4	

180-129327 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	11/1/21 17:30		[signature]	11/2/21 10:20 AM	ETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A44C	11/1/21	1545	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A45A	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45B	11/1/21	1620	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A45C	11/1/21	1620	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A46A	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46B	11/1/21	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A46C	11/1/21	1700	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP5A	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5B	11/1/21		C	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP5C	11/1/21		C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/1/21 1730			11/2/21 10:20 a.m	EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Geosyntec Consultants Inc Site Name _____ Cooler unpacked by: Matthew Swan

Cooler Received on 11/2/21 Opened on 11/2/21

FedEx: 1st Grd (Exp) UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 1.3 °C Corrected Cooler Temp. 1.4 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

11/11/2021

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129327 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A41A	11/1/21	1400	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A41B	11/1/21	1400	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A41C	11/1/21	1400	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A42A	11/1/21	1445	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A42B	11/1/21	1445	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A42C	11/1/21	1445	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A43A	11/1/21	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A43B	11/1/21	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A43C	11/1/21	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A44A	11/1/21	1545	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A44B	11/1/21	1545	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/1/21 1730			11-3-21 1035	EE1
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Yes / No	Custody Seal No.: 1795251	Cooler Temperature(s) °C and Other Remarks: 1.5

• - Incorrect Sample Time

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

11/11/2021

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (tarnscore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A44C	11/1/21	1545	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A45A	11/1/21	1620	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A45B	11/1/21	1620	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A45C	11/1/21	1620	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A46A	11/1/21	1700	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A46B	11/1/21	1700	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A46C	11/1/21	1700	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-DUP5A	11/1/21		C	S	N	N	X								4	
SSHS-IRM5A2-A1-DUP5B	11/1/21		C	S	N	N	X								4	
SSHS-IRM5A2-A1-DUP5C	11/1/21		C	S	N	N		X	X	X	X	X	X	X	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/1/21/1730			11-3-21 1035	EE&Sc
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1795251 | Cooler Temperature(s) °C and Other Remarks: 1.5

• - Incorrect Sample time. D 11/3/21

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes



Job: _____

Tracking # : 7750 8721 9838

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 601 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1795251

Cooler ID: _____

Temp Observed: 1.5 °C Corrected: 1.5 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 11-3-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LD Date: 11/3/21

Notes: Samples have incorrect Sample times. Time do not match with COC.

JS 11/3/21

Job# 180-129327

#3D,3E #6D,6E

#9D,9E #12D,12E

#15D,15E #18D,18E

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: LD Date: 11/3/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129327-1

Login Number: 129327
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129393-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/11/2021 1:42:06 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129393-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129393-1

Comments
Due to FEDEX shipment delay, the coolers sent to the Pittsburgh and Sacramento laboratories were received one day late on 11/4/21.

Notation was made to the coc regarding a sample collection time and a correction to an ID.

Receipt
The samples were received on 11/3 and 4/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.1º C, 3.1º C, 3.6º C and 3.8º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following sample: SSHS-IRM5A2-A1-A47A (180-129393-1). The sample was re-analyzed and again had the internal standard below criteria. Results of one analysis were reported.

Method 8260C: The laboratory control sample (LCS) for batch 240-511582 recovered above the control limits for the following analyte: Methylene Chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 240-511730 recovered above the control limits for the following analytes: Acetone and Methylene Chloride. As these analytes were biased high in the LCS and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-511582 was above criteria for the following analyte: Carbon tetrachloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129393-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129393-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129393-1	SSHS-IRM5A2-A1-A47A	Solid	11/02/21 09:30	11/03/21 10:10
180-129393-2	SSHS-IRM5A2-A1-A47B	Solid	11/02/21 09:30	11/03/21 10:10
180-129393-3	SSHS-IRM5A2-A1-A47C	Solid	11/02/21 09:15	11/03/21 10:10
180-129393-4	SSHS-IRM5A2-A1-A48A	Solid	11/02/21 10:15	11/03/21 10:10
180-129393-5	SSHS-IRM5A2-A1-A48B	Solid	11/02/21 10:15	11/03/21 10:10
180-129393-6	SSHS-IRM5A2-A1-A48C	Solid	11/02/21 10:00	11/03/21 10:10
180-129393-7	SSHS-IRM5A2-A1-A49A	Solid	11/02/21 10:50	11/03/21 10:10
180-129393-8	SSHS-IRM5A2-A1-A49B	Solid	11/02/21 10:50	11/03/21 10:10
180-129393-9	SSHS-IRM5A2-A1-A49C	Solid	11/02/21 10:45	11/03/21 10:10
180-129393-10	SSHS-IRM5A2-A1-A50A	Solid	11/02/21 11:20	11/03/21 10:10
180-129393-11	SSHS-IRM5A2-A1-A50B	Solid	11/02/21 11:20	11/03/21 10:10
180-129393-12	SSHS-IRM5A2-A1-A50C	Solid	11/02/21 11:15	11/03/21 10:10
180-129393-13	SSHS-IRM5A2-A1-A51A	Solid	11/02/21 16:00	11/03/21 10:10
180-129393-14	SSHS-IRM5A2-A1-A51B	Solid	11/02/21 16:00	11/03/21 10:10
180-129393-15	SSHS-IRM5A2-A1-A51C	Solid	11/02/21 16:45	11/03/21 10:10
180-129393-16	SSHS-IRM5A2-A1-A52A	Solid	11/02/21 16:40	11/03/21 10:10
180-129393-17	SSHS-IRM5A2-A1-A52B	Solid	11/02/21 16:40	11/03/21 10:10
180-129393-18	SSHS-IRM5A2-A1-A52C	Solid	11/02/21 16:30	11/03/21 10:10

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total andor Amenable	SW846	TAL CAN
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL CAN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Client Sample ID: SSHS-IRM5A2-A1-A47A
Lab Sample ID: 180-129393-1
Date Collected: 11/02/21 09:30
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A47A
Lab Sample ID: 180-129393-1
Date Collected: 11/02/21 09:30
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.063 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511582	11/05/21 12:59	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A47B
Lab Sample ID: 180-129393-2
Date Collected: 11/02/21 09:30
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A47B
Lab Sample ID: 180-129393-2
Date Collected: 11/02/21 09:30
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.209 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/05/21 23:25	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A47C
Lab Sample ID: 180-129393-3
Date Collected: 11/02/21 09:15
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A47C
Lab Sample ID: 180-129393-3
Date Collected: 11/02/21 09:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 13:30	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Client Sample ID: SSHS-IRM5A2-A1-A47C

Lab Sample ID: 180-129393-3
Date Collected: 11/02/21 09:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 10:31	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.05 g	100 mL	511434	11/04/21 15:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			511705	11/05/21 16:57	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.62 g	100 mL	511443	11/04/21 16:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			511679	11/05/21 09:32	DSH	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.23 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:37	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.49 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:12	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A48A

Lab Sample ID: 180-129393-4
Date Collected: 11/02/21 10:15
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A48A

Lab Sample ID: 180-129393-4
Date Collected: 11/02/21 10:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.156 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/05/21 23:49	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A48B

Lab Sample ID: 180-129393-5
Date Collected: 11/02/21 10:15
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Client Sample ID: SSHS-IRM5A2-A1-A48B
Date Collected: 11/02/21 10:15
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-5
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.175 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 00:13	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A48C
Date Collected: 11/02/21 10:00
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A48C
Date Collected: 11/02/21 10:00
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-6
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 13:52	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 11:28	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.04 g	100 mL	511434	11/04/21 15:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			511705	11/05/21 17:02	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.58 g	100 mL	511443	11/04/21 16:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			511679	11/05/21 09:34	DSH	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.28 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:39	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.53 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:12	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A49A
Date Collected: 11/02/21 10:50
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129393-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A49A
Lab Sample ID: 180-129393-7
Date Collected: 11/02/21 10:50
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.281 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 00:38	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A49B
Lab Sample ID: 180-129393-8
Date Collected: 11/02/21 10:50
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A49B
Lab Sample ID: 180-129393-8
Date Collected: 11/02/21 10:50
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.722 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 01:02	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A49C
Lab Sample ID: 180-129393-9
Date Collected: 11/02/21 10:45
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A49C
Lab Sample ID: 180-129393-9
Date Collected: 11/02/21 10:45
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 14:15	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 11:47	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.10 g	100 mL	511434	11/04/21 15:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			511705	11/05/21 17:06	RKT	TAL CAN
	Instrument ID: I9									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Client Sample ID: SSHS-IRM5A2-A1-A49C
Lab Sample ID: 180-129393-9
Date Collected: 11/02/21 10:45
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.58 g	100 mL	511443	11/04/21 16:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			511679	11/05/21 09:36	DSH	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.23 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:41	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.49 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:13	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A50A
Lab Sample ID: 180-129393-10
Date Collected: 11/02/21 11:20
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A50A
Lab Sample ID: 180-129393-10
Date Collected: 11/02/21 11:20
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.31 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 01:26	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A50B
Lab Sample ID: 180-129393-11
Date Collected: 11/02/21 11:20
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A50B
Lab Sample ID: 180-129393-11
Date Collected: 11/02/21 11:20
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.503 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 01:50	CS	TAL CAN
	Instrument ID: A3UX14									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-129393-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A50C
Lab Sample ID: 180-129393-12
Date Collected: 11/02/21 11:15
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A50C
Lab Sample ID: 180-129393-12
Date Collected: 11/02/21 11:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 14:38	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 12:06	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.16 g	100 mL	511434	11/04/21 15:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			511705	11/05/21 17:10	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.58 g	100 mL	511443	11/04/21 16:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			511679	11/05/21 09:38	DSH	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.25 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:46	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.50 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:15	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A51A
Lab Sample ID: 180-129393-13
Date Collected: 11/02/21 16:00
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A51A
Lab Sample ID: 180-129393-13
Date Collected: 11/02/21 16:00
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.332 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 02:14	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A51B
Lab Sample ID: 180-129393-14
Date Collected: 11/02/21 16:00
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A51B
Lab Sample ID: 180-129393-14
Date Collected: 11/02/21 16:00
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.418 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 02:38	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A51C
Lab Sample ID: 180-129393-15
Date Collected: 11/02/21 16:45
Matrix: Solid
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A51C
Lab Sample ID: 180-129393-15
Date Collected: 11/02/21 16:45
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 15:00	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 12:25	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.23 g	100 mL	511434	11/04/21 15:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			511705	11/05/21 17:15	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.59 g	100 mL	511443	11/04/21 16:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			511679	11/05/21 09:40	DSH	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.27 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:48	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.47 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:16	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129393-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A52A — Lab Sample ID: 180-129393-16
Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A52A — Lab Sample ID: 180-129393-16
Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 91.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.61 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 03:03	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A52B — Lab Sample ID: 180-129393-17
Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A52B — Lab Sample ID: 180-129393-17
Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.797 g	5 mL	511524	11/03/21 14:10	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 03:27	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A52C — Lab Sample ID: 180-129393-18
Date Collected: 11/02/21 16:30 — **Matrix: Solid**
Date Received: 11/03/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A52C — Lab Sample ID: 180-129393-18
Date Collected: 11/02/21 16:30 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 92.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 15:23	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Client Sample ID: SSHS-IRM5A2-A1-A52C

Date Collected: 11/02/21 16:30
Date Received: 11/03/21 10:10

Lab Sample ID: 180-129393-18

Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 12:43	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.18 g	100 mL	511434	11/04/21 15:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			511705	11/05/21 17:28	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.52 g	100 mL	511443	11/04/21 16:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			511679	11/05/21 09:42	DSH	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.24 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:50	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.51 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:16	PMH	TAL PIT
	Instrument ID: GEN10S									

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN
- Batch Type: Prep
  - AGC = Alyssa Crowley
  - DEE = Dale Elshaw
  - LAM = Louis Mancine
- Batch Type: Analysis
  - AGC = Alyssa Crowley
  - CS = Charles Seymour
  - DSH = David Heakin
  - KMS = Kayla Shellenbarger
  - RKT = Roger Toth
  - TJL2 = Todd Lata

Lab: TAL PIT
- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CSC = Chayce Cockroft
  - PMH = Paloma Hoelzle
- Batch Type: Analysis
  - JMO = John Oravec
  - PMH = Paloma Hoelzle
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

Client Sample ID: SSHS-IRM5A2-A1-A47A

Lab Sample ID: 180-129393-1
Date Collected: 11/02/21 09:30
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 84.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.020	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Benzene	ND		0.0049	0.00068	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
2-Butanone (MEK)	ND		0.019	0.0035	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Carbon tetrachloride	ND		0.0049	0.0032	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Chlorobenzene	ND		0.0049	0.00089	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Chloroform	ND		0.0049	0.00077	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
cis-1,2-Dichloroethene	ND		0.0049	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,2-Dichlorobenzene	ND	*3	0.0049	0.0011	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,3-Dichlorobenzene	ND	*3	0.0049	0.00079	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,4-Dichlorobenzene	ND	*3	0.0049	0.00086	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,1-Dichloroethane	ND		0.0049	0.00067	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,2-Dichloroethane	ND		0.0049	0.00075	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,1-Dichloroethene	ND		0.0049	0.0018	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,4-Dioxane	ND		0.24	0.070	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Ethylbenzene	ND		0.0049	0.0010	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Methylene Chloride	ND	*+	0.024	0.012	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Methyl tert-butyl ether	ND		0.0049	0.0019	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
n-Butylbenzene	ND	*3	0.0049	0.0034	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
N-Propylbenzene	ND	*3	0.0049	0.0017	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
sec-Butylbenzene	ND	*3	0.0049	0.0018	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
tert-Butylbenzene	ND	*3	0.0049	0.0025	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Tetrachloroethene	ND		0.0049	0.00071	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Toluene	ND		0.0049	0.00075	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
trans-1,2-Dichloroethene	ND		0.0049	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,1,1-Trichloroethane	ND		0.0049	0.0017	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Trichloroethene	ND		0.0049	0.00062	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,2,4-Trimethylbenzene	ND	*3	0.0049	0.0023	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
1,3,5-Trimethylbenzene	ND	*3	0.0049	0.0019	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Vinyl chloride	ND		0.0049	0.0017	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1
Xylenes, Total	ND		0.0097	0.0015	mg/Kg	☼	11/03/21 14:10	11/05/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*		*41 - 143*	*11/03/21 14:10*	*11/05/21 12:59*	*1*
Dibromofluoromethane (Surr)	*113*		*41 - 138*	*11/03/21 14:10*	*11/05/21 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*58 - 125*	*11/03/21 14:10*	*11/05/21 12:59*	*1*
Toluene-d8 (Surr)	*95*		*56 - 125*	*11/03/21 14:10*	*11/05/21 12:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**84.8**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**15.2**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A47B

Lab Sample ID: 180-129393-2
Date Collected: 11/02/21 09:30
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 87.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.020	0.017	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Benzene	ND		0.0040	0.00056	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1

Client Sample ID: SSHS-IRM5A2-A1-A47B
Lab Sample ID: 180-129393-2
Date Collected: 11/02/21 09:30 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 87.2**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.016	0.0028	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Carbon tetrachloride	ND		0.0040	0.0026	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Chlorobenzene	ND		0.0040	0.00073	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Chloroform	ND		0.0040	0.00063	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
cis-1,2-Dichloroethene	ND		0.0040	0.0012	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,2-Dichlorobenzene	ND		0.0040	0.00088	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,3-Dichlorobenzene	ND		0.0040	0.00065	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,4-Dichlorobenzene	ND		0.0040	0.00070	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,1-Dichloroethane	ND		0.0040	0.00055	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,2-Dichloroethane	ND		0.0040	0.00061	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,1-Dichloroethene	ND		0.0040	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,4-Dioxane	ND		0.20	0.058	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Ethylbenzene	ND		0.0040	0.00083	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Methylene Chloride	ND	*+	0.020	0.0095	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Methyl tert-butyl ether	ND		0.0040	0.0016	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
n-Butylbenzene	ND		0.0040	0.0028	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
N-Propylbenzene	ND		0.0040	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
sec-Butylbenzene	ND		0.0040	0.0015	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
tert-Butylbenzene	ND		0.0040	0.0020	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Tetrachloroethene	ND		0.0040	0.00058	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Toluene	ND		0.0040	0.00061	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
trans-1,2-Dichloroethene	ND		0.0040	0.0011	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,1,1-Trichloroethane	ND		0.0040	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Trichloroethene	ND		0.0040	0.00050	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,2,4-Trimethylbenzene	ND		0.0040	0.0018	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
1,3,5-Trimethylbenzene	ND		0.0040	0.0015	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Vinyl chloride	ND		0.0040	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1
Xylenes, Total	ND		0.0080	0.0013	mg/Kg	☼	11/03/21 14:10	11/05/21 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/03/21 14:10*	*11/05/21 23:25*	*1*
Dibromofluoromethane (Surr)	*89*		*41 - 138*	*11/03/21 14:10*	*11/05/21 23:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*58 - 125*	*11/03/21 14:10*	*11/05/21 23:25*	*1*
Toluene-d8 (Surr)	*95*		*56 - 125*	*11/03/21 14:10*	*11/05/21 23:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.2**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**12.8**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A47C
Lab Sample ID: 180-129393-3
Date Collected: 11/02/21 09:15 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 87.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0025**	**J**	0.0075	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Acenaphthylene	**0.034**		0.0075	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Anthracene	**0.030**		0.0075	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Benzo[a]anthracene	**0.11**		0.0075	0.0034	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1

Client Sample ID: SSHS-IRM5A2-A1-A47C **Lab Sample ID: 180-129393-3**
Date Collected: 11/02/21 09:15 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 87.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.090**		0.0075	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Benzo[b]fluoranthene	**0.17**		0.0075	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Benzo[g,h,i]perylene	**0.093**		0.0075	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Benzo[k]fluoranthene	**0.043**		0.0075	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Chrysene	**0.13**		0.0075	0.0041	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Dibenz(a,h)anthracene	**0.024**		0.0075	0.0048	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Fluoranthene	**0.13**		0.0075	0.0020	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Fluorene	**0.0038**	**J**	0.0075	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Indeno[1,2,3-cd]pyrene	**0.082**		0.0075	0.0037	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Naphthalene	**0.017**		0.0075	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Phenanthrene	**0.051**		0.0075	0.0020	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Pyrene	**0.19**		0.0075	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
Pyridine	ND		0.075	0.020	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*11/08/21 20:03*	*11/09/21 13:30*	*1*
2-Fluorophenol (Surr)	*62*		*32 - 105*	*11/08/21 20:03*	*11/09/21 13:30*	*1*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*	*11/08/21 20:03*	*11/09/21 13:30*	*1*
Phenol-d5 (Surr)	*60*		*34 - 105*	*11/08/21 20:03*	*11/09/21 13:30*	*1*
Terphenyl-d14 (Surr)	*85*		*20 - 117*	*11/08/21 20:03*	*11/09/21 13:30*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*20 - 119*	*11/08/21 20:03*	*11/09/21 13:30*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1254	**0.023**		0.019	0.0057	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/09/21 08:45	11/10/21 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*11/09/21 08:45*	*11/10/21 10:31*	*1*
DCB Decachlorobiphenyl (Surr)	*132*		*63 - 138*	*11/09/21 08:45*	*11/10/21 10:31*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A47C — Lab Sample ID: 180-129393-3

Date Collected: 11/02/21 09:15 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 87.6**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/09/21 08:45*	*11/10/21 10:31*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*11/09/21 08:45*	*11/10/21 10:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.6**		1.6	0.34	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Barium	**92**		22	0.39	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Beryllium	**0.54**		0.54	0.059	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Cadmium	**0.28**	**J**	0.54	0.052	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Chromium	**11**		1.1	0.37	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Copper	**20**		2.7	0.26	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Lead	**17**		1.1	0.31	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Manganese	**430**		1.6	1.2	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Nickel	**16**		4.4	0.25	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Selenium	ND		2.2	0.51	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Silver	ND		1.1	0.088	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1
Zinc	**59**		5.4	1.5	mg/Kg	☼	11/04/21 15:00	11/05/21 16:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.089**	**J**	0.11	0.020	mg/Kg	☼	11/04/21 16:00	11/05/21 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.62	0.24	mg/Kg	☼	11/09/21 14:45	11/09/21 17:37	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:12	1
Percent Solids	**87.6**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**12.4**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A48A — Lab Sample ID: 180-129393-4

Date Collected: 11/02/21 10:15 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.023	0.019	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Benzene	ND		0.0045	0.00063	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
2-Butanone (MEK)	ND		0.018	0.0032	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Carbon tetrachloride	ND		0.0045	0.0030	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Chlorobenzene	ND		0.0045	0.00083	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Chloroform	ND		0.0045	0.00072	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
cis-1,2-Dichloroethene	ND		0.0045	0.0013	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,2-Dichlorobenzene	ND		0.0045	0.0010	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,3-Dichlorobenzene	ND		0.0045	0.00074	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,4-Dichlorobenzene	ND		0.0045	0.00080	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,1-Dichloroethane	ND		0.0045	0.00063	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,2-Dichloroethane	ND		0.0045	0.00070	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,1-Dichloroethene	ND		0.0045	0.0017	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,4-Dioxane	ND		0.23	0.066	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Ethylbenzene	ND		0.0045	0.00095	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1

Client Sample ID: SSHS-IRM5A2-A1-A48A

Lab Sample ID: 180-129393-4

Date Collected: 11/02/21 10:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	*+	0.023	0.011	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Methyl tert-butyl ether	ND		0.0045	0.0018	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
n-Butylbenzene	ND		0.0045	0.0031	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
N-Propylbenzene	ND		0.0045	0.0016	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
sec-Butylbenzene	ND		0.0045	0.0017	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
tert-Butylbenzene	ND		0.0045	0.0023	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Tetrachloroethene	ND		0.0045	0.00066	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Toluene	ND		0.0045	0.00070	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
trans-1,2-Dichloroethene	ND		0.0045	0.0013	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,1,1-Trichloroethane	ND		0.0045	0.0016	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Trichloroethene	ND		0.0045	0.00057	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,2,4-Trimethylbenzene	ND		0.0045	0.0021	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
1,3,5-Trimethylbenzene	ND		0.0045	0.0018	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Vinyl chloride	ND		0.0045	0.0016	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1
Xylenes, Total	ND		0.0091	0.0014	mg/Kg	☼	11/03/21 14:10	11/05/21 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*41 - 143*	*11/03/21 14:10*	*11/05/21 23:49*	*1*
Dibromofluoromethane (Surr)	*90*		*41 - 138*	*11/03/21 14:10*	*11/05/21 23:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*58 - 125*	*11/03/21 14:10*	*11/05/21 23:49*	*1*
Toluene-d8 (Surr)	*94*		*56 - 125*	*11/03/21 14:10*	*11/05/21 23:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.4**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**10.6**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A48B

Lab Sample ID: 180-129393-5

Date Collected: 11/02/21 10:15
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 85.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.020	0.017	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Benzene	ND		0.0041	0.00057	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
2-Butanone (MEK)	ND		0.016	0.0029	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Carbon tetrachloride	ND		0.0041	0.0027	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Chlorobenzene	ND		0.0041	0.00075	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Chloroform	ND		0.0041	0.00064	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
cis-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,2-Dichlorobenzene	ND		0.0041	0.00091	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,3-Dichlorobenzene	ND		0.0041	0.00066	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,4-Dichlorobenzene	ND		0.0041	0.00072	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,1-Dichloroethane	ND		0.0041	0.00056	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,2-Dichloroethane	ND		0.0041	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,1-Dichloroethene	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,4-Dioxane	ND		0.20	0.059	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Ethylbenzene	ND		0.0041	0.00085	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Methylene Chloride	ND	*+	0.020	0.0098	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Methyl tert-butyl ether	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1

Client Sample ID: SSHS-IRM5A2-A1-A48B
Lab Sample ID: 180-129393-5
Date Collected: 11/02/21 10:15 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 85.5**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0041	0.0028	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
N-Propylbenzene	ND		0.0041	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
sec-Butylbenzene	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
tert-Butylbenzene	ND		0.0041	0.0021	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Tetrachloroethene	ND		0.0041	0.00059	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Toluene	ND		0.0041	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
trans-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,1,1-Trichloroethane	ND		0.0041	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Trichloroethene	ND		0.0041	0.00052	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,2,4-Trimethylbenzene	ND		0.0041	0.0019	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
1,3,5-Trimethylbenzene	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Vinyl chloride	ND		0.0041	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1
Xylenes, Total	ND		0.0081	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/03/21 14:10*	*11/06/21 00:13*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/03/21 14:10*	*11/06/21 00:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*58 - 125*	*11/03/21 14:10*	*11/06/21 00:13*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/03/21 14:10*	*11/06/21 00:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85.5**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**14.5**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A48C
Lab Sample ID: 180-129393-6
Date Collected: 11/02/21 10:00 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 90.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Acenaphthylene	ND		0.0072	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Anthracene	ND		0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Benzo[a]anthracene	ND		0.0072	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Benzo[a]pyrene	ND		0.0072	0.0031	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Benzo[b]fluoranthene	**0.0022**	**J**	0.0072	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Benzo[g,h,i]perylene	ND		0.0072	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Benzo[k]fluoranthene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Chrysene	ND		0.0072	0.0040	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Fluoranthene	**0.0020**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Indeno[1,2,3-cd]pyrene	ND		0.0072	0.0036	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1

Client Sample ID: SSHS-IRM5A2-A1-A48C **Lab Sample ID: 180-129393-6**
Date Collected: 11/02/21 10:00 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 90.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Naphthalene	**0.0014**	**J**	0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Phenanthrene	**0.0033**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Phenol	ND		0.035	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Pyrene	**0.0026**	**J**	0.0072	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*11/08/21 20:03*	*11/09/21 13:52*	*1*
2-Fluorophenol (Surr)	*65*		*32 - 105*	*11/08/21 20:03*	*11/09/21 13:52*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*11/08/21 20:03*	*11/09/21 13:52*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*11/08/21 20:03*	*11/09/21 13:52*	*1*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*11/08/21 20:03*	*11/09/21 13:52*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*11/08/21 20:03*	*11/09/21 13:52*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/09/21 08:45	11/10/21 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*11/09/21 08:45*	*11/10/21 11:28*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/09/21 08:45*	*11/10/21 11:28*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*11/09/21 08:45*	*11/10/21 11:28*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*11/09/21 08:45*	*11/10/21 11:28*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.9**		1.6	0.33	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Barium	**38**		21	0.38	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Beryllium	**0.25**	**J**	0.53	0.057	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Cadmium	**0.091**	**J**	0.53	0.051	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Chromium	**7.2**		1.1	0.36	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Copper	**17**		2.6	0.25	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Lead	**6.9**		1.1	0.30	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Manganese	**400**		1.6	1.2	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Nickel	**14**		4.2	0.25	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Selenium	ND		2.1	0.50	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1

Client Sample ID: SSHS-IRM5A2-A1-A48C
Lab Sample ID: 180-129393-6
Date Collected: 11/02/21 10:00 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 90.8**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.1	0.086	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1
Zinc	**55**		5.3	1.4	mg/Kg	☼	11/04/21 15:00	11/05/21 17:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**	**J**	0.11	0.020	mg/Kg	☼	11/04/21 16:00	11/05/21 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.49	0.19	mg/Kg	☼	11/09/21 14:45	11/09/21 17:39	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	11/09/21 16:20	11/10/21 19:12	1
Percent Solids	**90.8**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**9.2**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A49A
Lab Sample ID: 180-129393-7
Date Collected: 11/02/21 10:50 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 89.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.019	0.016	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Benzene	ND		0.0038	0.00054	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
2-Butanone (MEK)	ND		0.015	0.0027	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Carbon tetrachloride	ND		0.0038	0.0025	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Chlorobenzene	ND		0.0038	0.00070	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Chloroform	ND		0.0038	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
cis-1,2-Dichloroethene	ND		0.0038	0.0011	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,2-Dichlorobenzene	ND		0.0038	0.00085	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,3-Dichlorobenzene	ND		0.0038	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,4-Dichlorobenzene	ND		0.0038	0.00068	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,1-Dichloroethane	ND		0.0038	0.00053	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,2-Dichloroethane	ND		0.0038	0.00059	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,1-Dichloroethene	ND		0.0038	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,4-Dioxane	ND		0.19	0.056	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Ethylbenzene	ND		0.0038	0.00080	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Methylene Chloride	ND	*+	0.019	0.0092	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Methyl tert-butyl ether	ND		0.0038	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
n-Butylbenzene	ND		0.0038	0.0027	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
N-Propylbenzene	ND		0.0038	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
sec-Butylbenzene	ND		0.0038	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
tert-Butylbenzene	ND		0.0038	0.0019	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Tetrachloroethene	ND		0.0038	0.00056	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Toluene	ND		0.0038	0.00059	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
trans-1,2-Dichloroethene	ND		0.0038	0.0011	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,1,1-Trichloroethane	ND		0.0038	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Trichloroethene	ND		0.0038	0.00049	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,2,4-Trimethylbenzene	ND		0.0038	0.0018	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
1,3,5-Trimethylbenzene	ND		0.0038	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Vinyl chloride	ND		0.0038	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1
Xylenes, Total	ND		0.0077	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 00:38	1

Client Sample ID: SSHS-IRM5A2-A1-A49A — Lab Sample ID: 180-129393-7

Date Collected: 11/02/21 10:50 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.5**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/03/21 14:10*	*11/06/21 00:38*	*1*
Dibromofluoromethane (Surr)	*91*		*41 - 138*	*11/03/21 14:10*	*11/06/21 00:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*	*11/03/21 14:10*	*11/06/21 00:38*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/03/21 14:10*	*11/06/21 00:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.5**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**10.5**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A49B — Lab Sample ID: 180-129393-8

Date Collected: 11/02/21 10:50 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 90.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.021	0.017	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Benzene	ND		0.0041	0.00058	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
2-Butanone (MEK)	ND		0.017	0.0029	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Carbon tetrachloride	ND		0.0041	0.0027	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Chlorobenzene	ND		0.0041	0.00076	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Chloroform	ND		0.0041	0.00065	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
cis-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,2-Dichlorobenzene	ND		0.0041	0.00092	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,3-Dichlorobenzene	ND		0.0041	0.00067	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,4-Dichlorobenzene	ND		0.0041	0.00073	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,1-Dichloroethane	ND		0.0041	0.00057	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,2-Dichloroethane	ND		0.0041	0.00064	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,1-Dichloroethene	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,4-Dioxane	ND		0.21	0.060	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Ethylbenzene	ND		0.0041	0.00087	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Methylene Chloride	ND	*+	0.021	0.0099	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Methyl tert-butyl ether	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
n-Butylbenzene	ND		0.0041	0.0029	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
N-Propylbenzene	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
sec-Butylbenzene	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
tert-Butylbenzene	ND		0.0041	0.0021	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Tetrachloroethene	ND		0.0041	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Toluene	ND		0.0041	0.00064	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
trans-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,1,1-Trichloroethane	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Trichloroethene	ND		0.0041	0.00052	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,2,4-Trimethylbenzene	ND		0.0041	0.0019	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
1,3,5-Trimethylbenzene	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Vinyl chloride	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1
Xylenes, Total	ND		0.0083	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/03/21 14:10*	*11/06/21 01:02*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/03/21 14:10*	*11/06/21 01:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/03/21 14:10*	*11/06/21 01:02*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A49B — Lab Sample ID: 180-129393-8

Date Collected: 11/02/21 10:50 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 90.0**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*56 - 125*	*11/03/21 14:10*	*11/06/21 01:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90.0**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**10.0**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A49C — Lab Sample ID: 180-129393-9

Date Collected: 11/02/21 10:45 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 90.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Acenaphthylene	ND		0.0074	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Anthracene	ND		0.0074	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Benzo[a]anthracene	ND		0.0074	0.0033	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Benzo[a]pyrene	ND		0.0074	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Benzo[b]fluoranthene	ND		0.0074	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Benzo[g,h,i]perylene	ND		0.0074	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Benzo[k]fluoranthene	ND		0.0074	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Chrysene	ND		0.0074	0.0041	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Dibenz(a,h)anthracene	ND		0.0074	0.0047	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
1,4-Dioxane	ND		0.074	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Fluoranthene	ND		0.0074	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Indeno[1,2,3-cd]pyrene	ND		0.0074	0.0037	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Naphthalene	ND		0.0074	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Nitrobenzene	ND		0.074	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Phenanthrene	ND		0.0074	0.0020	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Pyrene	ND		0.0074	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*59*		*35 - 105*	*11/08/21 20:03*	*11/09/21 14:15*	*1*
2-Fluorophenol (Surr)	*56*		*32 - 105*	*11/08/21 20:03*	*11/09/21 14:15*	*1*
Nitrobenzene-d5 (Surr)	*60*		*34 - 109*	*11/08/21 20:03*	*11/09/21 14:15*	*1*
Phenol-d5 (Surr)	*54*		*34 - 105*	*11/08/21 20:03*	*11/09/21 14:15*	*1*
Terphenyl-d14 (Surr)	*73*		*20 - 117*	*11/08/21 20:03*	*11/09/21 14:15*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A49C
Lab Sample ID: 180-129393-9
Date Collected: 11/02/21 10:45 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 90.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*20 - 119*	*11/08/21 20:03*	*11/09/21 14:15*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/09/21 08:45	11/10/21 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/09/21 08:45*	*11/10/21 11:47*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*11/09/21 08:45*	*11/10/21 11:47*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*11/09/21 08:45*	*11/10/21 11:47*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*11/09/21 08:45*	*11/10/21 11:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.9**		1.5	0.32	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Barium	**36**		20	0.37	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Beryllium	**0.25**	**J**	0.50	0.054	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Cadmium	**0.10**	**J**	0.50	0.048	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Chromium	**8.5**		1.0	0.35	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Copper	**17**		2.5	0.24	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Lead	**6.4**		1.0	0.28	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Manganese	**400**		1.5	1.1	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Nickel	**13**		4.0	0.24	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Selenium	ND		2.0	0.47	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Silver	ND		1.0	0.082	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1
Zinc	**68**		5.0	1.4	mg/Kg	☼	11/04/21 15:00	11/05/21 17:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**	**J**	0.11	0.021	mg/Kg	☼	11/04/21 16:00	11/05/21 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.60	0.23	mg/Kg	☼	11/09/21 14:45	11/09/21 17:41	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:13	1
Percent Solids	**90.1**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**9.9**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A50A — Lab Sample ID: 180-129393-10

Date Collected: 11/02/21 11:20 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.1**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.022	0.019	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Benzene	ND		0.0044	0.00062	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
2-Butanone (MEK)	ND		0.018	0.0032	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Carbon tetrachloride	ND		0.0044	0.0029	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Chlorobenzene	ND		0.0044	0.00081	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Chloroform	ND		0.0044	0.00070	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
cis-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,2-Dichlorobenzene	ND		0.0044	0.00099	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,3-Dichlorobenzene	ND		0.0044	0.00073	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,4-Dichlorobenzene	ND		0.0044	0.00078	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,1-Dichloroethane	ND		0.0044	0.00062	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,2-Dichloroethane	ND		0.0044	0.00069	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,1-Dichloroethene	ND		0.0044	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,4-Dioxane	ND		0.22	0.064	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Ethylbenzene	ND		0.0044	0.00093	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Methylene Chloride	ND	*+	0.022	0.011	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Methyl tert-butyl ether	ND		0.0044	0.0018	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
n-Butylbenzene	ND		0.0044	0.0031	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
N-Propylbenzene	ND		0.0044	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
sec-Butylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
tert-Butylbenzene	ND		0.0044	0.0023	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Tetrachloroethene	ND		0.0044	0.00065	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Toluene	ND		0.0044	0.00069	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
trans-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,1,1-Trichloroethane	ND		0.0044	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Trichloroethene	ND		0.0044	0.00056	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,2,4-Trimethylbenzene	ND		0.0044	0.0021	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
1,3,5-Trimethylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Vinyl chloride	ND		0.0044	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1
Xylenes, Total	ND		0.0089	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*41 - 143*	*11/03/21 14:10*	*11/06/21 01:26*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/03/21 14:10*	*11/06/21 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*58 - 125*	*11/03/21 14:10*	*11/06/21 01:26*	*1*
Toluene-d8 (Surr)	*98*		*56 - 125*	*11/03/21 14:10*	*11/06/21 01:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.1**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**10.9**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A50B — Lab Sample ID: 180-129393-11

Date Collected: 11/02/21 11:20 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.3**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.022	0.018	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1

Client Sample ID: SSHS-IRM5A2-A1-A50B
Lab Sample ID: 180-129393-11
Date Collected: 11/02/21 11:20 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 89.3**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.017	0.0031	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Chlorobenzene	ND		0.0043	0.00079	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Chloroform	ND		0.0043	0.00068	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,2-Dichlorobenzene	ND		0.0043	0.00096	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,3-Dichlorobenzene	ND		0.0043	0.00070	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,4-Dichlorobenzene	ND		0.0043	0.00076	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,1-Dichloroethane	ND		0.0043	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,2-Dichloroethane	ND		0.0043	0.00066	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,4-Dioxane	ND		0.22	0.062	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Ethylbenzene	ND		0.0043	0.00090	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Methylene Chloride	ND	*+	0.022	0.010	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Tetrachloroethene	ND		0.0043	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Toluene	ND		0.0043	0.00067	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Trichloroethene	ND		0.0043	0.00055	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1
Xylenes, Total	ND		0.0086	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41 - 143*	*11/03/21 14:10*	*11/06/21 01:50*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/03/21 14:10*	*11/06/21 01:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*58 - 125*	*11/03/21 14:10*	*11/06/21 01:50*	*1*
Toluene-d8 (Surr)	*95*		*56 - 125*	*11/03/21 14:10*	*11/06/21 01:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.3**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**10.7**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A50C
Lab Sample ID: 180-129393-12
Date Collected: 11/02/21 11:15 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 91.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Acenaphthylene	**0.0017**	**J**	0.0072	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Anthracene	ND		0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Benzo[a]anthracene	**0.0050**	**J**	0.0072	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1

Client Sample ID: SSHS-IRM5A2-A1-A50C **Lab Sample ID: 180-129393-12**
Date Collected: 11/02/21 11:15 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 91.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0039**	**J**	0.0072	0.0031	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Benzo[b]fluoranthene	**0.0059**	**J**	0.0072	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Benzo[g,h,i]perylene	**0.0037**	**J**	0.0072	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Benzo[k]fluoranthene	**0.0026**	**J**	0.0072	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Chrysene	**0.0053**	**J**	0.0072	0.0040	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
2,4-Dinitrotoluene	ND		0.036	0.021	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Fluoranthene	**0.0050**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Indeno[1,2,3-cd]pyrene	ND		0.0072	0.0036	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Naphthalene	**0.0016**	**J**	0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Phenanthrene	**0.0031**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Pyrene	**0.0072**		0.0072	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
2,4,5-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*11/08/21 20:03*	*11/09/21 14:38*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*11/08/21 20:03*	*11/09/21 14:38*	*1*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*	*11/08/21 20:03*	*11/09/21 14:38*	*1*
Phenol-d5 (Surr)	*62*		*34 - 105*	*11/08/21 20:03*	*11/09/21 14:38*	*1*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*11/08/21 20:03*	*11/09/21 14:38*	*1*
2,4,6-Tribromophenol (Surr)	*44*		*20 - 119*	*11/08/21 20:03*	*11/09/21 14:38*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1254	ND		0.018	0.0055	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/09/21 08:45	11/10/21 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*11/09/21 08:45*	*11/10/21 12:06*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*11/09/21 08:45*	*11/10/21 12:06*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A50C

Lab Sample ID: 180-129393-12

Date Collected: 11/02/21 11:15
Date Received: 11/03/21 10:10

Matrix: Solid
Percent Solids: 91.7

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*11/09/21 08:45*	*11/10/21 12:06*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*11/09/21 08:45*	*11/10/21 12:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		1.4	0.30	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Barium	**40**		19	0.34	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Beryllium	**0.28**	**J**	0.47	0.051	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Cadmium	**0.079**	**J**	0.47	0.045	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Chromium	**8.1**		0.94	0.32	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Copper	**19**		2.4	0.22	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Lead	**7.9**		0.94	0.27	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Manganese	**370**		1.4	1.0	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Nickel	**15**		3.8	0.22	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Selenium	ND		1.9	0.44	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Silver	ND		0.94	0.076	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1
Zinc	**56**		4.7	1.3	mg/Kg	☼	11/04/21 15:00	11/05/21 17:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J**	0.11	0.020	mg/Kg	☼	11/04/21 16:00	11/05/21 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.55	0.21	mg/Kg	☼	11/09/21 14:45	11/09/21 17:46	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	11/09/21 16:20	11/10/21 19:15	1
Percent Solids	**91.7**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**8.3**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A51A

Lab Sample ID: 180-129393-13

Date Collected: 11/02/21 16:00
Date Received: 11/03/21 10:10

Matrix: Solid
Percent Solids: 90.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.022	0.018	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Benzene	ND		0.0043	0.00061	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
2-Butanone (MEK)	ND		0.017	0.0031	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Chlorobenzene	ND		0.0043	0.00080	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Chloroform	ND		0.0043	0.00068	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,2-Dichlorobenzene	ND		0.0043	0.00097	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,3-Dichlorobenzene	ND		0.0043	0.00071	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,4-Dichlorobenzene	ND		0.0043	0.00077	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,1-Dichloroethane	ND		0.0043	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,2-Dichloroethane	ND		0.0043	0.00067	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,4-Dioxane	ND		0.22	0.063	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Ethylbenzene	ND		0.0043	0.00091	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1

Client Sample ID: SSHS-IRM5A2-A1-A51A — Lab Sample ID: 180-129393-13

Date Collected: 11/02/21 16:00 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 90.9**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	*+	0.022	0.010	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Tetrachloroethene	ND		0.0043	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Toluene	ND		0.0043	0.00067	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Trichloroethene	ND		0.0043	0.00055	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1
Xylenes, Total	ND		0.0087	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/03/21 14:10*	*11/06/21 02:14*	*1*
Dibromofluoromethane (Surr)	*91*		*41 - 138*	*11/03/21 14:10*	*11/06/21 02:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*58 - 125*	*11/03/21 14:10*	*11/06/21 02:14*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/03/21 14:10*	*11/06/21 02:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90.9**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**9.1**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A51B — Lab Sample ID: 180-129393-14

Date Collected: 11/02/21 16:00 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 91.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.021	0.018	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
2-Butanone (MEK)	ND		0.017	0.0030	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Chlorobenzene	ND		0.0043	0.00078	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Chloroform	ND		0.0043	0.00067	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,2-Dichlorobenzene	ND		0.0043	0.00095	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,3-Dichlorobenzene	ND		0.0043	0.00070	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,4-Dichlorobenzene	ND		0.0043	0.00075	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,1-Dichloroethane	ND		0.0043	0.00059	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,2-Dichloroethane	ND		0.0043	0.00066	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,4-Dioxane	ND		0.21	0.062	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Ethylbenzene	ND		0.0043	0.00090	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Methylene Chloride	ND	*+	0.021	0.010	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1

Client Sample ID: SSHS-IRM5A2-A1-A51B

Lab Sample ID: 180-129393-14
Date Collected: 11/02/21 16:00
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Tetrachloroethene	ND		0.0043	0.00062	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Toluene	ND		0.0043	0.00066	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Trichloroethene	ND		0.0043	0.00054	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1
Xylenes, Total	ND		0.0086	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*41 - 143*	*11/03/21 14:10*	*11/06/21 02:38*	*1*
Dibromofluoromethane (Surr)	*91*		*41 - 138*	*11/03/21 14:10*	*11/06/21 02:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*	*11/03/21 14:10*	*11/06/21 02:38*	*1*
Toluene-d8 (Surr)	*94*		*56 - 125*	*11/03/21 14:10*	*11/06/21 02:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91.0**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**9.0**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A51C

Lab Sample ID: 180-129393-15
Date Collected: 11/02/21 16:45
Matrix: Solid
Date Received: 11/03/21 10:10
Percent Solids: 90.6

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Acenaphthylene	**0.0064**	**J**	0.0072	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Anthracene	**0.0057**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Benzo[a]anthracene	**0.038**		0.0072	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Benzo[a]pyrene	**0.016**		0.0072	0.0031	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Benzo[b]fluoranthene	**0.046**		0.0072	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Benzo[g,h,i]perylene	**0.020**		0.0072	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Benzo[k]fluoranthene	**0.014**		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Chrysene	**0.044**		0.0072	0.0040	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Dibenz(a,h)anthracene	**0.0059**	**J**	0.0072	0.0046	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Fluoranthene	**0.065**		0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Indeno[1,2,3-cd]pyrene	**0.019**		0.0072	0.0036	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1

Client Sample ID: SSHS-IRM5A2-A1-A51C
Lab Sample ID: 180-129393-15

Date Collected: 11/02/21 16:45 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 90.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Naphthalene	ND		0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Phenanthrene	**0.037**		0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Phenol	ND		0.035	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Pyrene	**0.080**		0.0072	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*11/08/21 20:03*	*11/09/21 15:00*	*1*
2-Fluorophenol (Surr)	*81*		*32 - 105*	*11/08/21 20:03*	*11/09/21 15:00*	*1*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*	*11/08/21 20:03*	*11/09/21 15:00*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/08/21 20:03*	*11/09/21 15:00*	*1*
Terphenyl-d14 (Surr)	*104*		*20 - 117*	*11/08/21 20:03*	*11/09/21 15:00*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*	*11/08/21 20:03*	*11/09/21 15:00*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/09/21 08:45	11/10/21 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*11/09/21 08:45*	*11/10/21 12:25*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/09/21 08:45*	*11/10/21 12:25*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*11/09/21 08:45*	*11/10/21 12:25*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*11/09/21 08:45*	*11/10/21 12:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.2**		1.3	0.28	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Barium	**32**		18	0.32	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Beryllium	**0.23**	**J**	0.45	0.048	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Cadmium	**0.11**	**J**	0.45	0.043	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Chromium	**6.9**		0.90	0.31	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Copper	**19**		2.2	0.21	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Lead	**6.5**		0.90	0.25	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Manganese	**360**		1.3	1.0	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Nickel	**13**		3.6	0.21	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Selenium	ND		1.8	0.42	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1

Client Sample ID: SSHS-IRM5A2-A1-A51C
Lab Sample ID: 180-129393-15

Date Collected: 11/02/21 16:45 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 90.6**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.90	0.073	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1
Zinc	**62**		4.5	1.2	mg/Kg	☼	11/04/21 15:00	11/05/21 17:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**	**J**	0.11	0.020	mg/Kg	☼	11/04/21 16:00	11/05/21 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.51	0.19	mg/Kg	☼	11/09/21 14:45	11/09/21 17:48	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:16	1
Percent Solids	**90.6**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**9.4**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A52A
Lab Sample ID: 180-129393-16

Date Collected: 11/02/21 16:40 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 91.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.018	0.015	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Benzene	ND		0.0036	0.00050	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
2-Butanone (MEK)	ND		0.014	0.0025	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Carbon tetrachloride	ND		0.0036	0.0023	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Chlorobenzene	ND		0.0036	0.00066	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Chloroform	ND		0.0036	0.00056	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
cis-1,2-Dichloroethene	ND		0.0036	0.0011	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,2-Dichlorobenzene	ND		0.0036	0.00080	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,3-Dichlorobenzene	ND		0.0036	0.00058	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,4-Dichlorobenzene	ND		0.0036	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,1-Dichloroethane	ND		0.0036	0.00050	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,2-Dichloroethane	ND		0.0036	0.00055	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,1-Dichloroethene	ND		0.0036	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,4-Dioxane	ND		0.18	0.052	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Ethylbenzene	ND		0.0036	0.00075	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Methylene Chloride	ND	*+	0.018	0.0086	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Methyl tert-butyl ether	ND		0.0036	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
n-Butylbenzene	ND		0.0036	0.0025	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
N-Propylbenzene	ND		0.0036	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
sec-Butylbenzene	ND		0.0036	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
tert-Butylbenzene	ND		0.0036	0.0018	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Tetrachloroethene	ND		0.0036	0.00052	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Toluene	ND		0.0036	0.00055	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
trans-1,2-Dichloroethene	ND		0.0036	0.0010	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,1,1-Trichloroethane	ND		0.0036	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Trichloroethene	ND		0.0036	0.00045	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,2,4-Trimethylbenzene	ND		0.0036	0.0017	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
1,3,5-Trimethylbenzene	ND		0.0036	0.0014	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Vinyl chloride	ND		0.0036	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1
Xylenes, Total	ND		0.0072	0.0011	mg/Kg	☼	11/03/21 14:10	11/06/21 03:03	1

Client Sample ID: SSHS-IRM5A2-A1-A52A — Lab Sample ID: 180-129393-16

Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 91.9**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*41 - 143*	*11/03/21 14:10*	*11/06/21 03:03*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/03/21 14:10*	*11/06/21 03:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/03/21 14:10*	*11/06/21 03:03*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/03/21 14:10*	*11/06/21 03:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91.9**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**8.1**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A52B — Lab Sample ID: 180-129393-17

Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.021	0.017	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Benzene	ND		0.0041	0.00057	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
2-Butanone (MEK)	ND		0.016	0.0029	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Carbon tetrachloride	ND		0.0041	0.0027	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Chlorobenzene	ND		0.0041	0.00075	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Chloroform	ND		0.0041	0.00065	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
cis-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,2-Dichlorobenzene	ND		0.0041	0.00091	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,3-Dichlorobenzene	ND		0.0041	0.00067	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,4-Dichlorobenzene	ND		0.0041	0.00072	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,1-Dichloroethane	ND		0.0041	0.00057	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,2-Dichloroethane	ND		0.0041	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,1-Dichloroethene	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,4-Dioxane	ND		0.21	0.059	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Ethylbenzene	ND		0.0041	0.00086	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Methylene Chloride	ND	*+	0.021	0.0099	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Methyl tert-butyl ether	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
n-Butylbenzene	ND		0.0041	0.0028	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
N-Propylbenzene	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
sec-Butylbenzene	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
tert-Butylbenzene	ND		0.0041	0.0021	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Tetrachloroethene	ND		0.0041	0.00060	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Toluene	ND		0.0041	0.00063	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
trans-1,2-Dichloroethene	ND		0.0041	0.0012	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,1,1-Trichloroethane	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Trichloroethene	ND		0.0041	0.00052	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,2,4-Trimethylbenzene	ND		0.0041	0.0019	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
1,3,5-Trimethylbenzene	ND		0.0041	0.0016	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Vinyl chloride	ND		0.0041	0.0015	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1
Xylenes, Total	ND		0.0082	0.0013	mg/Kg	☼	11/03/21 14:10	11/06/21 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*41 - 143*	*11/03/21 14:10*	*11/06/21 03:27*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/03/21 14:10*	*11/06/21 03:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*	*11/03/21 14:10*	*11/06/21 03:27*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A52B — Lab Sample ID: 180-129393-17

Date Collected: 11/02/21 16:40 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 89.6**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/03/21 14:10*	*11/06/21 03:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89.6**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**10.4**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A52C — Lab Sample ID: 180-129393-18

Date Collected: 11/02/21 16:30 — **Matrix: Solid**
Date Received: 11/03/21 10:10 — **Percent Solids: 92.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Acenaphthylene	ND		0.0071	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Benzo[a]anthracene	**0.0042**	**J**	0.0071	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Benzo[b]fluoranthene	**0.0057**	**J**	0.0071	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Benzo[g,h,i]perylene	**0.0028**	**J**	0.0071	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Chrysene	**0.0047**	**J**	0.0071	0.0039	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Fluoranthene	**0.0059**	**J**	0.0071	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Naphthalene	**0.0018**	**J**	0.0071	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Phenanthrene	**0.0031**	**J**	0.0071	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Phenol	ND		0.035	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Pyrene	**0.0072**		0.0071	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*71*		*35 - 105*	*11/08/21 20:03*	*11/09/21 15:23*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*11/08/21 20:03*	*11/09/21 15:23*	*1*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*	*11/08/21 20:03*	*11/09/21 15:23*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*11/08/21 20:03*	*11/09/21 15:23*	*1*
Terphenyl-d14 (Surr)	*88*		*20 - 117*	*11/08/21 20:03*	*11/09/21 15:23*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A52C
Lab Sample ID: 180-129393-18
Date Collected: 11/02/21 16:30 **Matrix: Solid**
Date Received: 11/03/21 10:10 **Percent Solids: 92.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*20 - 119*	*11/08/21 20:03*	*11/09/21 15:23*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/09/21 08:45	11/10/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/09/21 08:45*	*11/10/21 12:43*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*11/09/21 08:45*	*11/10/21 12:43*	*1*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*11/09/21 08:45*	*11/10/21 12:43*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*11/09/21 08:45*	*11/10/21 12:43*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		1.4	0.29	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Barium	**27**		18	0.33	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Beryllium	**0.20**	**J**	0.46	0.049	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Cadmium	**0.093**	**J**	0.46	0.044	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Chromium	**6.7**		0.91	0.31	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Copper	**17**		2.3	0.22	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Lead	**5.4**		0.91	0.26	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Manganese	**280**		1.4	1.0	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Nickel	**11**		3.7	0.21	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Selenium	ND		1.8	0.43	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Silver	ND		0.91	0.074	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1
Zinc	**47**		4.6	1.3	mg/Kg	☼	11/04/21 15:00	11/05/21 17:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**	**J**	0.12	0.022	mg/Kg	☼	11/04/21 16:00	11/05/21 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.56	0.21	mg/Kg	☼	11/09/21 14:45	11/09/21 17:50	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	11/09/21 16:20	11/10/21 19:16	1
Percent Solids	**92.6**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**7.4**		0.1	0.1	%			11/05/21 10:04	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-511273/2-A
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/03/21 15:50	11/05/21 10:00	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/03/21 15:50	11/05/21 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*41 - 143*	*11/03/21 15:50*	*11/05/21 10:00*	*1*
Dibromofluoromethane (Surr)	*103*		*41 - 138*	*11/03/21 15:50*	*11/05/21 10:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*58 - 125*	*11/03/21 15:50*	*11/05/21 10:00*	*1*
Toluene-d8 (Surr)	*85*		*56 - 125*	*11/03/21 15:50*	*11/05/21 10:00*	*1*

Lab Sample ID: LCS 240-511582/7
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.119		mg/Kg		119	58 - 160
Benzene	0.0500	0.0518		mg/Kg		104	76 - 121
2-Butanone (MEK)	0.100	0.117		mg/Kg		117	63 - 142
Carbon tetrachloride	0.0500	0.0587		mg/Kg		117	64 - 144
Chlorobenzene	0.0500	0.0458		mg/Kg		92	80 - 120
Chloroform	0.0500	0.0506		mg/Kg		101	78 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511582/7
Matrix: Solid
Analysis Batch: 511582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0500	0.0522		mg/Kg		104	78 - 124
1,2-Dichlorobenzene	0.0500	0.0446		mg/Kg		89	73 - 120
1,3-Dichlorobenzene	0.0500	0.0437		mg/Kg		87	73 - 120
1,4-Dichlorobenzene	0.0500	0.0444		mg/Kg		89	74 - 120
1,1-Dichloroethane	0.0500	0.0523		mg/Kg		105	74 - 121
1,2-Dichloroethane	0.0500	0.0491		mg/Kg		98	71 - 123
1,1-Dichloroethene	0.0500	0.0564		mg/Kg		113	68 - 141
1,4-Dioxane	1.00	0.925		mg/Kg		93	57 - 147
Ethylbenzene	0.0500	0.0466		mg/Kg		93	80 - 120
Methylene Chloride	0.0500	0.0626	*+	mg/Kg		125	71 - 124
Methyl tert-butyl ether	0.0500	0.0496		mg/Kg		99	70 - 130
n-Butylbenzene	0.0500	0.0481		mg/Kg		96	70 - 135
N-Propylbenzene	0.0500	0.0478		mg/Kg		96	78 - 126
sec-Butylbenzene	0.0500	0.0471		mg/Kg		94	77 - 130
tert-Butylbenzene	0.0500	0.0454		mg/Kg		91	79 - 128
Tetrachloroethene	0.0500	0.0485		mg/Kg		97	76 - 127
Toluene	0.0500	0.0460		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0543		mg/Kg		109	76 - 130
1,1,1-Trichloroethane	0.0500	0.0540		mg/Kg		108	74 - 136
Trichloroethene	0.0500	0.0530		mg/Kg		106	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0472		mg/Kg		94	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0470		mg/Kg		94	79 - 128
Vinyl chloride	0.0200	0.0240		mg/Kg		120	49 - 146
Xylenes, Total	0.100	0.0967		mg/Kg		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*41 - 143*
Dibromofluoromethane (Surr)	*99*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*96*		*58 - 125*
Toluene-d8 (Surr)	*88*		*56 - 125*

Lab Sample ID: MB 240-511730/6
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg			11/05/21 21:36	1
Benzene	ND		0.0050	0.00070	mg/Kg			11/05/21 21:36	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg			11/05/21 21:36	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg			11/05/21 21:36	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg			11/05/21 21:36	1
Chloroform	ND		0.0050	0.00079	mg/Kg			11/05/21 21:36	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/05/21 21:36	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg			11/05/21 21:36	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg			11/05/21 21:36	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg			11/05/21 21:36	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg			11/05/21 21:36	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg			11/05/21 21:36	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-511730/6
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg			11/05/21 21:36	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg			11/05/21 21:36	1
Methylene Chloride	0.0123	J	0.025	0.012	mg/Kg			11/05/21 21:36	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg			11/05/21 21:36	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg			11/05/21 21:36	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg			11/05/21 21:36	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/05/21 21:36	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg			11/05/21 21:36	1
Toluene	ND		0.0050	0.00077	mg/Kg			11/05/21 21:36	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg			11/05/21 21:36	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg			11/05/21 21:36	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg			11/05/21 21:36	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/05/21 21:36	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg			11/05/21 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41 - 143*		*11/05/21 21:36*	*1*
Dibromofluoromethane (Surr)	*88*		*41 - 138*		*11/05/21 21:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*58 - 125*		*11/05/21 21:36*	*1*
Toluene-d8 (Surr)	*94*		*56 - 125*		*11/05/21 21:36*	*1*

Lab Sample ID: LCS 240-511730/5
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.163	*+	mg/Kg		163	58 - 160
Benzene	0.0500	0.0487		mg/Kg		97	76 - 121
2-Butanone (MEK)	0.100	0.119		mg/Kg		119	63 - 142
Carbon tetrachloride	0.0500	0.0566		mg/Kg		113	64 - 144
Chlorobenzene	0.0500	0.0484		mg/Kg		97	80 - 120
Chloroform	0.0500	0.0503		mg/Kg		101	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	78 - 124
1,2-Dichlorobenzene	0.0500	0.0481		mg/Kg		96	73 - 120
1,3-Dichlorobenzene	0.0500	0.0475		mg/Kg		95	73 - 120
1,4-Dichlorobenzene	0.0500	0.0463		mg/Kg		93	74 - 120
1,1-Dichloroethane	0.0500	0.0507		mg/Kg		101	74 - 121
1,2-Dichloroethane	0.0500	0.0526		mg/Kg		105	71 - 123
1,1-Dichloroethene	0.0500	0.0559		mg/Kg		112	68 - 141
1,4-Dioxane	1.00	1.11		mg/Kg		111	57 - 147
Ethylbenzene	0.0500	0.0480		mg/Kg		96	80 - 120
Methylene Chloride	0.0500	0.0688	*+	mg/Kg		138	71 - 124
Methyl tert-butyl ether	0.0500	0.0514		mg/Kg		103	70 - 130
n-Butylbenzene	0.0500	0.0443		mg/Kg		89	70 - 135

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511730/5
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0500	0.0472		mg/Kg		94	78 - 126
sec-Butylbenzene	0.0500	0.0478		mg/Kg		96	77 - 130
tert-Butylbenzene	0.0500	0.0498		mg/Kg		100	79 - 128
Tetrachloroethene	0.0500	0.0512		mg/Kg		102	76 - 127
Toluene	0.0500	0.0485		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0547		mg/Kg		109	76 - 130
1,1,1-Trichloroethane	0.0500	0.0558		mg/Kg		112	74 - 136
Trichloroethene	0.0500	0.0516		mg/Kg		103	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0483		mg/Kg		97	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0488		mg/Kg		98	79 - 128
Vinyl chloride	0.0200	0.0195		mg/Kg		98	49 - 146
Xylenes, Total	0.100	0.0981		mg/Kg		98	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*
Dibromofluoromethane (Surr)	*90*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*83*		*58 - 125*
Toluene-d8 (Surr)	*96*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-378135/1-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Anthracene	ND		0.0034	0.00087	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Chrysene	ND		0.0034	0.0019	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Fluorene	ND		0.0034	0.00066	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		11/08/21 20:03	11/09/21 09:46	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-378135/1-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.085	0.027	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Phenol	ND		0.017	0.0051	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Pyrene	ND		0.0034	0.00079	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Pyridine	ND		0.034	0.0090	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		11/08/21 20:03	11/09/21 09:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
2-Fluorophenol (Surr)	*79*		*32 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*11/08/21 20:03*	*11/09/21 09:46*	*1*

Lab Sample ID: LCS 180-378135/2-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.239		mg/Kg		72	41 - 100
Acenaphthylene	0.333	0.242		mg/Kg		73	45 - 100
Anthracene	0.333	0.248		mg/Kg		75	47 - 100
Benzo[a]anthracene	0.333	0.265		mg/Kg		79	47 - 100
Benzo[a]pyrene	0.333	0.228		mg/Kg		69	45 - 101
Benzo[b]fluoranthene	0.333	0.236		mg/Kg		71	44 - 100
Benzo[g,h,i]perylene	0.333	0.210		mg/Kg		63	45 - 103
Benzo[k]fluoranthene	0.333	0.207		mg/Kg		62	43 - 100
Chrysene	0.333	0.234		mg/Kg		70	44 - 100
Dibenz(a,h)anthracene	0.333	0.233		mg/Kg		70	46 - 107
Dibenzofuran	0.333	0.234		mg/Kg		70	47 - 100
2,4-Dinitrotoluene	0.333	0.248		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.251		mg/Kg		75	10 - 133
Fluoranthene	0.333	0.249		mg/Kg		75	49 - 102
Fluorene	0.333	0.231		mg/Kg		69	46 - 100
Hexachlorobenzene	0.333	0.245		mg/Kg		74	45 - 101
Hexachlorobutadiene	0.333	0.239		mg/Kg		72	38 - 110
Hexachloroethane	0.333	0.237		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.233		mg/Kg		70	48 - 104
2-Methylphenol	0.333	0.225		mg/Kg		67	43 - 101
Methylphenol, 3 & 4	0.333	0.218		mg/Kg		65	43 - 104
Naphthalene	0.333	0.240		mg/Kg		72	43 - 100
Nitrobenzene	0.333	0.244		mg/Kg		73	43 - 107
Pentachlorophenol	0.667	0.463		mg/Kg		69	34 - 112
Phenanthrene	0.333	0.243		mg/Kg		73	46 - 100
Phenol	0.333	0.229		mg/Kg		69	42 - 103
Pyrene	0.333	0.254		mg/Kg		76	44 - 102

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-378135/2-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.667	0.533		mg/Kg		80	25 - 109
2,4,5-Trichlorophenol	0.333	0.236		mg/Kg		71	47 - 108
2,4,6-Trichlorophenol	0.333	0.244		mg/Kg		73	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*82*		*32 - 105*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377879/1-A
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/09/21 08:45	11/10/21 09:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/09/21 08:45*	*11/10/21 09:34*	*1*

Lab Sample ID: LCS 180-377879/2-A
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.04		mg/Kg		78	43 - 136
PCB-1260	1.33	1.15		mg/Kg		86	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: 180-129393-3 MS
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: SSHS-IRM5A2-A1-A47C
Prep Type: Total/NA
Prep Batch: 377879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.50	1.36		mg/Kg	☼	90	43 - 136
PCB-1260	ND		1.50	1.45		mg/Kg	☼	96	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*

Lab Sample ID: 180-129393-3 MSD
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: SSHS-IRM5A2-A1-A47C
Prep Type: Total/NA
Prep Batch: 377879

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.49	1.36		mg/Kg	☼	91	43 - 136	0	40
PCB-1260	ND		1.49	1.42		mg/Kg	☼	95	55 - 128	2	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-511434/1-A
Matrix: Solid
Analysis Batch: 511705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Barium	ND		20	0.36	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Beryllium	ND		0.50	0.054	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Cadmium	ND		0.50	0.048	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Chromium	ND		1.0	0.34	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Copper	ND		2.5	0.24	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Lead	ND		1.0	0.28	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Manganese	ND		1.5	1.1	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Nickel	ND		4.0	0.23	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Selenium	ND		2.0	0.47	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Silver	ND		1.0	0.081	mg/Kg		11/04/21 15:00	11/05/21 15:14	1
Zinc	ND		5.0	1.4	mg/Kg		11/04/21 15:00	11/05/21 15:14	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-511434/2-A
Matrix: Solid
Analysis Batch: 511705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	193		mg/Kg		97	80 - 120
Barium	200	189		mg/Kg		95	80 - 120
Beryllium	100	98.0		mg/Kg		98	80 - 120
Cadmium	100	96.6		mg/Kg		97	80 - 120
Chromium	100	95.3		mg/Kg		95	80 - 120
Copper	100	95.0		mg/Kg		95	80 - 120
Lead	100	91.6		mg/Kg		92	80 - 120
Manganese	100	92.9		mg/Kg		93	80 - 120
Nickel	100	93.2		mg/Kg		93	80 - 120
Selenium	200	186		mg/Kg		93	80 - 120
Silver	10.0	9.56		mg/Kg		96	80 - 120
Zinc	100	89.6		mg/Kg		90	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-511443/1-A
Matrix: Solid
Analysis Batch: 511679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		11/04/21 16:00	11/05/21 09:02	1

Lab Sample ID: LCS 240-511443/2-A
Matrix: Solid
Analysis Batch: 511679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.862		mg/Kg		103	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 240-512165/1-A
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.19	mg/Kg		11/09/21 14:45	11/09/21 17:13	1

Lab Sample ID: LCS 240-512165/2-A
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.71	5.93		mg/Kg		104	65 - 128

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 180-129393-9 MS
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: SSHS-IRM5A2-A1-A49C
Prep Type: Total/NA
Prep Batch: 512165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		1.16	1.20		mg/Kg	☼	104	24 - 140

Lab Sample ID: 180-129393-9 MSD
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: SSHS-IRM5A2-A1-A49C
Prep Type: Total/NA
Prep Batch: 512165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		1.07	1.08		mg/Kg	☼	101	24 - 140	11	40

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-377927/1-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/09/21 16:20	11/10/21 19:00	1

Lab Sample ID: LCSI 180-377927/3-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377927

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	692		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-377927/2-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377927

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.4		mg/Kg		87	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 180-129393-1 DU
Matrix: Solid
Analysis Batch: 511635

Client Sample ID: SSHS-IRM5A2-A1-A47A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	84.8		82.6		%		3	20
Percent Moisture	15.2		17.4		%		14	20

Lab Sample ID: 180-129393-10 DU
Matrix: Solid
Analysis Batch: 511635

Client Sample ID: SSHS-IRM5A2-A1-A50A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	89.1		90.6		%		2	20
Percent Moisture	10.9		9.4		%		15	20

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129393-1

GC/MS VOA

Prep Batch: 511273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-511273/2-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 511524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-1	SSHS-IRM5A2-A1-A47A	Total/NA	Solid	5035	
180-129393-2	SSHS-IRM5A2-A1-A47B	Total/NA	Solid	5035	
180-129393-4	SSHS-IRM5A2-A1-A48A	Total/NA	Solid	5035	
180-129393-5	SSHS-IRM5A2-A1-A48B	Total/NA	Solid	5035	
180-129393-7	SSHS-IRM5A2-A1-A49A	Total/NA	Solid	5035	
180-129393-8	SSHS-IRM5A2-A1-A49B	Total/NA	Solid	5035	
180-129393-10	SSHS-IRM5A2-A1-A50A	Total/NA	Solid	5035	
180-129393-11	SSHS-IRM5A2-A1-A50B	Total/NA	Solid	5035	
180-129393-13	SSHS-IRM5A2-A1-A51A	Total/NA	Solid	5035	
180-129393-14	SSHS-IRM5A2-A1-A51B	Total/NA	Solid	5035	
180-129393-16	SSHS-IRM5A2-A1-A52A	Total/NA	Solid	5035	
180-129393-17	SSHS-IRM5A2-A1-A52B	Total/NA	Solid	5035	

Analysis Batch: 511582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-1	SSHS-IRM5A2-A1-A47A	Total/NA	Solid	8260C	511524
MB 240-511273/2-A	Method Blank	Total/NA	Solid	8260C	511273
LCS 240-511582/7	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 511730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-2	SSHS-IRM5A2-A1-A47B	Total/NA	Solid	8260C	511524
180-129393-4	SSHS-IRM5A2-A1-A48A	Total/NA	Solid	8260C	511524
180-129393-5	SSHS-IRM5A2-A1-A48B	Total/NA	Solid	8260C	511524
180-129393-7	SSHS-IRM5A2-A1-A49A	Total/NA	Solid	8260C	511524
180-129393-8	SSHS-IRM5A2-A1-A49B	Total/NA	Solid	8260C	511524
180-129393-10	SSHS-IRM5A2-A1-A50A	Total/NA	Solid	8260C	511524
180-129393-11	SSHS-IRM5A2-A1-A50B	Total/NA	Solid	8260C	511524
180-129393-13	SSHS-IRM5A2-A1-A51A	Total/NA	Solid	8260C	511524
180-129393-14	SSHS-IRM5A2-A1-A51B	Total/NA	Solid	8260C	511524
180-129393-16	SSHS-IRM5A2-A1-A52A	Total/NA	Solid	8260C	511524
180-129393-17	SSHS-IRM5A2-A1-A52B	Total/NA	Solid	8260C	511524
MB 240-511730/6	Method Blank	Total/NA	Solid	8260C	
LCS 240-511730/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 378135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3541	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	3541	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	3541	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	3541	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	3541	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	3541	
MB 180-378135/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378135/2-A	Lab Control Sample	Total/NA	Solid	3541	

GC/MS Semi VOA

Analysis Batch: 378178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	EPA 8270D LL	378135
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	EPA 8270D LL	378135
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	EPA 8270D LL	378135
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	EPA 8270D LL	378135
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	EPA 8270D LL	378135
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	EPA 8270D LL	378135
MB 180-378135/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	378135
LCS 180-378135/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	378135

GC Semi VOA

Prep Batch: 377879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3541	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	3541	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	3541	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	3541	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	3541	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	3541	
MB 180-377879/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377879/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129393-3 MS	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3541	
180-129393-3 MSD	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3541	

Cleanup Batch: 378325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3665A	377879
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	3665A	377879
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	3665A	377879
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	3665A	377879
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	3665A	377879
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	3665A	377879
180-129393-3 MS	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3665A	377879
180-129393-3 MSD	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3665A	377879

Cleanup Batch: 378326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3660B	378325
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	3660B	378325
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	3660B	378325
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	3660B	378325
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	3660B	378325
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	3660B	378325
180-129393-3 MS	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3660B	378325
180-129393-3 MSD	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3660B	378325

Analysis Batch: 378347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	EPA 8082A	378326
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	EPA 8082A	378326
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	EPA 8082A	378326

GC Semi VOA (Continued)

Analysis Batch: 378347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	EPA 8082A	378326
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	EPA 8082A	378326
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	EPA 8082A	378326
MB 180-377879/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377879
LCS 180-377879/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377879
180-129393-3 MS	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	EPA 8082A	378326
180-129393-3 MSD	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	EPA 8082A	378326

Metals

Prep Batch: 511434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3050B	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	3050B	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	3050B	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	3050B	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	3050B	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	3050B	
MB 240-511434/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-511434/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 511443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	7471B	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	7471B	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	7471B	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	7471B	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	7471B	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	7471B	
MB 240-511443/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-511443/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 511679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	7471B	511443
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	7471B	511443
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	7471B	511443
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	7471B	511443
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	7471B	511443
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	7471B	511443
MB 240-511443/1-A	Method Blank	Total/NA	Solid	7471B	511443
LCS 240-511443/2-A	Lab Control Sample	Total/NA	Solid	7471B	511443

Analysis Batch: 511705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	6010C	511434
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	6010C	511434
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	6010C	511434
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	6010C	511434
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	6010C	511434
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	6010C	511434

Metals (Continued)

Analysis Batch: 511705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-511434/1-A	Method Blank	Total/NA	Solid	6010C	511434
LCS 240-511434/2-A	Lab Control Sample	Total/NA	Solid	6010C	511434

General Chemistry

Prep Batch: 377927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	3060A	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	3060A	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	3060A	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	3060A	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	3060A	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	3060A	
MB 180-377927/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377927/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377927/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 378489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	EPA 7196A	377927
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	EPA 7196A	377927
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	EPA 7196A	377927
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	EPA 7196A	377927
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	EPA 7196A	377927
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	EPA 7196A	377927
MB 180-377927/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377927
LCSI 180-377927/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377927
LCSS 180-377927/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377927

Analysis Batch: 511635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-1	SSHS-IRM5A2-A1-A47A	Total/NA	Solid	Moisture	
180-129393-2	SSHS-IRM5A2-A1-A47B	Total/NA	Solid	Moisture	
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	Moisture	
180-129393-4	SSHS-IRM5A2-A1-A48A	Total/NA	Solid	Moisture	
180-129393-5	SSHS-IRM5A2-A1-A48B	Total/NA	Solid	Moisture	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	Moisture	
180-129393-7	SSHS-IRM5A2-A1-A49A	Total/NA	Solid	Moisture	
180-129393-8	SSHS-IRM5A2-A1-A49B	Total/NA	Solid	Moisture	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	Moisture	
180-129393-10	SSHS-IRM5A2-A1-A50A	Total/NA	Solid	Moisture	
180-129393-11	SSHS-IRM5A2-A1-A50B	Total/NA	Solid	Moisture	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	Moisture	
180-129393-13	SSHS-IRM5A2-A1-A51A	Total/NA	Solid	Moisture	
180-129393-14	SSHS-IRM5A2-A1-A51B	Total/NA	Solid	Moisture	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	Moisture	
180-129393-16	SSHS-IRM5A2-A1-A52A	Total/NA	Solid	Moisture	
180-129393-17	SSHS-IRM5A2-A1-A52B	Total/NA	Solid	Moisture	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	Moisture	
180-129393-1 DU	SSHS-IRM5A2-A1-A47A	Total/NA	Solid	Moisture	
180-129393-10 DU	SSHS-IRM5A2-A1-A50A	Total/NA	Solid	Moisture	

General Chemistry

Prep Batch: 512165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	9012B	
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	9012B	
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	9012B	
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	9012B	
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	9012B	
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	9012B	
MB 240-512165/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 240-512165/2-A	Lab Control Sample	Total/NA	Solid	9012B	
180-129393-9 MS	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	9012B	
180-129393-9 MSD	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	9012B	

Analysis Batch: 512184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129393-3	SSHS-IRM5A2-A1-A47C	Total/NA	Solid	9012B	512165
180-129393-6	SSHS-IRM5A2-A1-A48C	Total/NA	Solid	9012B	512165
180-129393-9	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	9012B	512165
180-129393-12	SSHS-IRM5A2-A1-A50C	Total/NA	Solid	9012B	512165
180-129393-15	SSHS-IRM5A2-A1-A51C	Total/NA	Solid	9012B	512165
180-129393-18	SSHS-IRM5A2-A1-A52C	Total/NA	Solid	9012B	512165
MB 240-512165/1-A	Method Blank	Total/NA	Solid	9012B	512165
LCS 240-512165/2-A	Lab Control Sample	Total/NA	Solid	9012B	512165
180-129393-9 MS	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	9012B	512165
180-129393-9 MSD	SSHS-IRM5A2-A1-A49C	Total/NA	Solid	9012B	512165

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A47A	11/2/21	0930	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A47B	11/2/21	0930	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A47C	11/2/21	0915	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A48A	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48B	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48C	11/2/21	1000	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A49A	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49B	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49C	11/2/21	1045	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A50A	11/2/21	1120	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A50B	11/2/21	1120	G	S	N	N	X													4	

180-129393 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 m
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	11/2/2021 1730			ETA Pitt 11/4/21	945 ETA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A50C	11/2/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A51A	11/2/21	1600	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A51B	11/2/21	1600	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A51C collection time is 16:45 as per Miranda Stelmach, D. Dunlap 11/5/21	11/2/21	1640	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A52A	11/2/21	1640	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A52B	11/2/21	1640	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A51C ID is A52C as per Miranda Stelmach D. Dunlap 11/5/21	11/2/21	1630	C	S	N	N		X	X	X	X	X	X	X	5	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				[signature]	11/4/21 995	EAT D
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

3-7/38

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A47A	11/2/21	0930	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A47B	11/2/21	0930	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A47C	11/2/21	0915	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A48A	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48B	11/2/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A48C	11/2/21	1000	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A49A	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49B	11/2/21	1050	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A49C	11/2/21	1045	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A50A	11/2/21	1120	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A50B	11/2/21	1120	G	S	N	N	X													4	

180-129393 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	11/2/2021 1730		Danny Boyer	11-3-21 1010	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Page 55 of 61

11/11/2021

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A50C	11/2/21	1115	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A51A	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51B	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1640	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A52A	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A52B	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1630	C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Tammy Power	11-3-21 - 1000	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Geosyntec Site Name _____ Cooler unpacked by: Tammy Dyer

Cooler Received on 11-3-21 Opened on 11-3-21

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 3.7 °C Corrected Cooler Temp. 3.8 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129393 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A47A	11/2/21	0930	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A47B	11/2/21	0930	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A47C	11/2/21	0915	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A48A	11/2/21	1015	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A48B	11/2/21	1015	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A48C	11/2/21	1000	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A49A	11/2/21	1050	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A49B	11/2/21	1050	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A49C	11/2/21	1045	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A50A	11/2/21	1120	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A50B	11/2/21	1120	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Mary Kate Dempsey	11/2/2021 1730			11-4-21 1030	EFI Sac
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A50C	11/2/21	1115	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A51A	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51B	11/2/21	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1640	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A52A	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A52B	11/2/21	1640	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A51C	11/2/21	1630	C	S	N	N		X	X	X	X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				11-4-21 1030	EET SA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Δ - Incorrect Sample Time 16:45 B 11/4/21

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Tracking # : 7750 8724 9513

180-129393 Field Sheet

Job:

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 607 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel Other

Cooler Custody Seal: –

Cooler ID: –

Temp Observed: 3.1 °C Corrected: 3.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 11-4-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DB Date: 11/4/21

Notes: Samples have Incorrect Sample Times. Does not match with COC. Job # 180-129393 #15B, 15F 15:45

Low Time - 15:40

DB 11/4/21

COC 2/2 Unrelinquished.

DB 11/4/21

Trizma Lot #(s):

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☐	☐	☒

Initials: DB Date: 11/4/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129393-1

Login Number: 129393
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129462-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/11/2021 2:30:44 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-129462-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129462-1

Receipt
The samples were received on 11/4/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0º C, 1.0º C, 1.6º C and 4.2º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following samples: SSHS-IRM5A2-A1-A54A (180-129462-4) and SSHS-IRM5A2-A1-A54B (180-129462-5). The samples were re-analyzed and again had the internal standard below criteria. Results of one analysis were reported for each sample.

Method 8260C: The laboratory control sample (LCS) for batch 240-511730 recovered above the control limits for the following analytes: Acetone and Methylene Chloride. As these analytes were biased high in the LCS and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-511954 was below criteria for the following analyte: Vinyl Chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-IRM5A2-A1-A53A (180-129462-1) was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129462-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129462-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129462-1	SSHS-IRM5A2-A1-A53A	Solid	11/03/21 13:45	11/04/21 09:45
180-129462-2	SSHS-IRM5A2-A1-A53B	Solid	11/03/21 13:45	11/04/21 09:45
180-129462-3	SSHS-IRM5A2-A1-A53C	Solid	11/03/21 13:35	11/04/21 09:45
180-129462-4	SSHS-IRM5A2-A1-A54A	Solid	11/03/21 16:15	11/04/21 09:45
180-129462-5	SSHS-IRM5A2-A1-A54B	Solid	11/03/21 16:15	11/04/21 09:45
180-129462-6	SSHS-IRM5A2-A1-A54C	Solid	11/03/21 16:05	11/04/21 09:45

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total andor Amenable	SW846	TAL CAN
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL CAN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Client Sample ID: SSHS-IRM5A2-A1-A53A
Lab Sample ID: 180-129462-1
Date Collected: 11/03/21 13:45
Matrix: Solid
Date Received: 11/04/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A53A
Lab Sample ID: 180-129462-1
Date Collected: 11/03/21 13:45
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.003 g	5 mL	511710	11/04/21 12:14	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 05:05	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A53B
Lab Sample ID: 180-129462-2
Date Collected: 11/03/21 13:45
Matrix: Solid
Date Received: 11/04/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A53B
Lab Sample ID: 180-129462-2
Date Collected: 11/03/21 13:45
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.918 g	5 mL	511710	11/04/21 12:14	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511730	11/06/21 05:29	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A53C
Lab Sample ID: 180-129462-3
Date Collected: 11/03/21 13:35
Matrix: Solid
Date Received: 11/04/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A53C
Lab Sample ID: 180-129462-3
Date Collected: 11/03/21 13:35
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 15:45	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Client Sample ID: SSHS-IRM5A2-A1-A53C

Lab Sample ID: 180-129462-3
Date Collected: 11/03/21 13:35
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 13:02	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.05 g	100 mL	511621	11/05/21 11:00	MRL	TAL CAN
Total/NA	Analysis	6010C		1			512076	11/08/21 16:45	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.66 g	100 mL	511624	11/05/21 12:00	MRL	TAL CAN
Total/NA	Analysis	7471B		1			512158	11/09/21 13:37	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.23 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:29	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.55 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:18	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A54A

Lab Sample ID: 180-129462-4
Date Collected: 11/03/21 16:15
Matrix: Solid
Date Received: 11/04/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A54A

Lab Sample ID: 180-129462-4
Date Collected: 11/03/21 16:15
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.277 g	5 mL	511710	11/04/21 12:14	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511954	11/08/21 18:07	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A54B

Lab Sample ID: 180-129462-5
Date Collected: 11/03/21 16:15
Matrix: Solid
Date Received: 11/04/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Client Sample ID: SSHS-IRM5A2-A1-A54B

Lab Sample ID: 180-129462-5
Date Collected: 11/03/21 16:15
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.672 g	5 mL	511710	11/04/21 12:14	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	511954	11/08/21 18:32	CS	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A54C

Lab Sample ID: 180-129462-6
Date Collected: 11/03/21 16:05
Matrix: Solid
Date Received: 11/04/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511635	11/05/21 10:04	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A54C

Lab Sample ID: 180-129462-6
Date Collected: 11/03/21 16:05
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	378178	11/09/21 16:08	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 13:21	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.17 g	100 mL	511621	11/05/21 11:00	MRL	TAL CAN
Total/NA	Analysis	6010C		1			512076	11/08/21 17:15	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.57 g	100 mL	511624	11/05/21 12:00	MRL	TAL CAN
Total/NA	Analysis	7471B		1			512158	11/09/21 13:44	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.26 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 17:34	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.52 g	100 mL	377927	11/09/21 16:20	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378489	11/10/21 19:19	PMH	TAL PIT
	Instrument ID: GEN10S									

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Analyst References:

Lab: TAL CAN

Batch Type: Prep

AGC = Alyssa Crowley
LAM = Louis Mancine
MRL = Matthew Loeb

Batch Type: Analysis

AGC = Alyssa Crowley
CS = Charles Seymour
KMS = Kayla Shellenbarger
MRL = Matthew Loeb
RKT = Roger Toth

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CBY = Charles Yushinski
CSC = Chayce Cockroft
PMH = Paloma Hoelzle

Batch Type: Analysis

JMO = John Oravec
PMH = Paloma Hoelzle
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A53A

Lab Sample ID: 180-129462-1

Date Collected: 11/03/21 13:45
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 90.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.023	0.019	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Benzene	ND		0.0046	0.00064	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
2-Butanone (MEK)	ND		0.018	0.0033	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Carbon tetrachloride	ND		0.0046	0.0030	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Chlorobenzene	ND		0.0046	0.00085	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Chloroform	ND		0.0046	0.00073	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
cis-1,2-Dichloroethene	ND		0.0046	0.0014	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,2-Dichlorobenzene	ND		0.0046	0.0010	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,3-Dichlorobenzene	ND		0.0046	0.00075	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,4-Dichlorobenzene	ND		0.0046	0.00081	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,1-Dichloroethane	ND		0.0046	0.00064	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,2-Dichloroethane	ND		0.0046	0.00071	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,1-Dichloroethene	ND		0.0046	0.0017	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,4-Dioxane	ND		0.23	0.067	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Ethylbenzene	ND		0.0046	0.00097	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Methylene Chloride	ND	*+	0.023	0.011	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Methyl tert-butyl ether	ND		0.0046	0.0018	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
n-Butylbenzene	ND		0.0046	0.0032	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
N-Propylbenzene	ND		0.0046	0.0016	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
sec-Butylbenzene	ND		0.0046	0.0017	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
tert-Butylbenzene	ND		0.0046	0.0023	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Tetrachloroethene	ND		0.0046	0.00067	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Toluene	ND		0.0046	0.00071	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
trans-1,2-Dichloroethene	ND		0.0046	0.0013	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,1,1-Trichloroethane	ND		0.0046	0.0016	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Trichloroethene	ND		0.0046	0.00058	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,2,4-Trimethylbenzene	ND		0.0046	0.0021	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
1,3,5-Trimethylbenzene	ND		0.0046	0.0018	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Vinyl chloride	ND		0.0046	0.0016	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1
Xylenes, Total	ND		0.0092	0.0015	mg/Kg	☼	11/04/21 12:14	11/06/21 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/04/21 12:14*	*11/06/21 05:05*	*1*
Dibromofluoromethane (Surr)	*97*		*41 - 138*	*11/04/21 12:14*	*11/06/21 05:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*58 - 125*	*11/04/21 12:14*	*11/06/21 05:05*	*1*
Toluene-d8 (Surr)	*97*		*56 - 125*	*11/04/21 12:14*	*11/06/21 05:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90.2**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**9.8**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A53B

Lab Sample ID: 180-129462-2

Date Collected: 11/03/21 13:45
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 88.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.024	0.020	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Benzene	ND		0.0048	0.00067	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1

Client Sample ID: SSHS-IRM5A2-A1-A53B
Lab Sample ID: 180-129462-2
Date Collected: 11/03/21 13:45 **Matrix: Solid**
Date Received: 11/04/21 09:45 **Percent Solids: 88.5**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.019	0.0034	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Carbon tetrachloride	ND		0.0048	0.0031	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Chlorobenzene	ND		0.0048	0.00087	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Chloroform	ND		0.0048	0.00075	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,2-Dichlorobenzene	ND		0.0048	0.0011	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,3-Dichlorobenzene	ND		0.0048	0.00078	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,4-Dichlorobenzene	ND		0.0048	0.00084	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,1-Dichloroethane	ND		0.0048	0.00066	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,2-Dichloroethane	ND		0.0048	0.00074	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,1-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,4-Dioxane	ND		0.24	0.069	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Ethylbenzene	ND		0.0048	0.0010	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Methylene Chloride	ND	*+	0.024	0.011	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Methyl tert-butyl ether	ND		0.0048	0.0019	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
n-Butylbenzene	ND		0.0048	0.0033	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
sec-Butylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
tert-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Tetrachloroethene	ND		0.0048	0.00070	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Toluene	ND		0.0048	0.00074	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
trans-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,1,1-Trichloroethane	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Trichloroethene	ND		0.0048	0.00060	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0022	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Vinyl chloride	ND		0.0048	0.0017	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1
Xylenes, Total	ND		0.0095	0.0015	mg/Kg	☼	11/04/21 12:14	11/06/21 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/04/21 12:14*	*11/06/21 05:29*	*1*
Dibromofluoromethane (Surr)	*90*		*41 - 138*	*11/04/21 12:14*	*11/06/21 05:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*58 - 125*	*11/04/21 12:14*	*11/06/21 05:29*	*1*
Toluene-d8 (Surr)	*94*		*56 - 125*	*11/04/21 12:14*	*11/06/21 05:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.5**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**11.5**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A53C
Lab Sample ID: 180-129462-3
Date Collected: 11/03/21 13:35 **Matrix: Solid**
Date Received: 11/04/21 09:45 **Percent Solids: 91.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Acenaphthylene	**0.0050**	**J**	0.0072	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Anthracene	**0.0043**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Benzo[a]anthracene	**0.022**		0.0072	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1

Client Sample ID: SSHS-IRM5A2-A1-A53C
Lab Sample ID: 180-129462-3
Date Collected: 11/03/21 13:35 **Matrix: Solid**
Date Received: 11/04/21 09:45 **Percent Solids: 91.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.015**		0.0072	0.0031	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Benzo[b]fluoranthene	**0.029**		0.0072	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Benzo[g,h,i]perylene	**0.014**		0.0072	0.0015	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Benzo[k]fluoranthene	**0.011**		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Chrysene	**0.024**		0.0072	0.0040	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Fluoranthene	**0.022**		0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Indeno[1,2,3-cd]pyrene	**0.013**		0.0072	0.0036	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Naphthalene	**0.0027**	**J**	0.0072	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Phenanthrene	**0.0048**	**J**	0.0072	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Phenol	ND		0.035	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Pyrene	**0.032**		0.0072	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*11/08/21 20:03*	*11/09/21 15:45*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*11/08/21 20:03*	*11/09/21 15:45*	*1*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*	*11/08/21 20:03*	*11/09/21 15:45*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*11/08/21 20:03*	*11/09/21 15:45*	*1*
Terphenyl-d14 (Surr)	*89*		*20 - 117*	*11/08/21 20:03*	*11/09/21 15:45*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*20 - 119*	*11/08/21 20:03*	*11/09/21 15:45*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/09/21 08:45	11/10/21 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*11/09/21 08:45*	*11/10/21 13:02*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*11/09/21 08:45*	*11/10/21 13:02*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A53C

Lab Sample ID: 180-129462-3

Date Collected: 11/03/21 13:35
Date Received: 11/04/21 09:45

Matrix: Solid
Percent Solids: 91.9

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*11/09/21 08:45*	*11/10/21 13:02*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*11/09/21 08:45*	*11/10/21 13:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.4**		1.6	0.33	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Barium	**37**		21	0.38	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Beryllium	**0.29**	**J**	0.52	0.056	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Cadmium	**0.096**	**J**	0.52	0.050	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Chromium	**7.9**		1.0	0.36	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Copper	**20**		2.6	0.24	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Lead	**8.0**		1.0	0.29	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Manganese	**420**		1.6	1.2	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Nickel	**15**		4.1	0.24	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Selenium	**0.51**	**J**	2.1	0.49	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Silver	ND		1.0	0.084	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1
Zinc	**64**		5.2	1.4	mg/Kg	☼	11/05/21 11:00	11/08/21 16:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.099	0.018	mg/Kg	☼	11/05/21 12:00	11/09/21 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.59	0.22	mg/Kg	☼	11/09/21 14:45	11/09/21 17:29	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	11/09/21 16:20	11/10/21 19:18	1
Percent Solids	**91.9**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**8.1**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A54A

Lab Sample ID: 180-129462-4

Date Collected: 11/03/21 16:15
Date Received: 11/04/21 09:45

Matrix: Solid
Percent Solids: 85.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.020	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Benzene	ND		0.0047	0.00065	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
2-Butanone (MEK)	ND		0.019	0.0033	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Carbon tetrachloride	ND		0.0047	0.0030	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Chlorobenzene	ND		0.0047	0.00086	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Chloroform	ND		0.0047	0.00074	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,2-Dichlorobenzene	ND	*3	0.0047	0.0010	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,3-Dichlorobenzene	ND	*3	0.0047	0.00076	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,4-Dichlorobenzene	ND	*3	0.0047	0.00082	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,1-Dichloroethane	ND		0.0047	0.00065	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,2-Dichloroethane	ND		0.0047	0.00072	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,1-Dichloroethene	ND		0.0047	0.0017	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,4-Dioxane	ND		0.23	0.068	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Ethylbenzene	ND		0.0047	0.00098	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1

Client Sample ID: SSHS-IRM5A2-A1-A54A — Lab Sample ID: 180-129462-4

Date Collected: 11/03/21 16:15 — **Matrix: Solid**
Date Received: 11/04/21 09:45 — **Percent Solids: 85.2**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.023	0.011	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Methyl tert-butyl ether	ND		0.0047	0.0019	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
n-Butylbenzene	ND	*3	0.0047	0.0032	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
N-Propylbenzene	ND	*3	0.0047	0.0017	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
sec-Butylbenzene	ND	*3	0.0047	0.0018	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
tert-Butylbenzene	ND	*3	0.0047	0.0024	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Tetrachloroethene	ND		0.0047	0.00068	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Toluene	ND		0.0047	0.00072	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
trans-1,2-Dichloroethene	ND		0.0047	0.0013	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,1,1-Trichloroethane	ND		0.0047	0.0017	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Trichloroethene	ND		0.0047	0.00059	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,2,4-Trimethylbenzene	ND	*3	0.0047	0.0022	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
1,3,5-Trimethylbenzene	ND	*3	0.0047	0.0018	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Vinyl chloride	ND		0.0047	0.0017	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1
Xylenes, Total	ND		0.0093	0.0015	mg/Kg	☼	11/04/21 12:14	11/08/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*3*	*41 - 143*	*11/04/21 12:14*	*11/08/21 18:07*	*1*
Dibromofluoromethane (Surr)	*87*		*41 - 138*	*11/04/21 12:14*	*11/08/21 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*58 - 125*	*11/04/21 12:14*	*11/08/21 18:07*	*1*
Toluene-d8 (Surr)	*103*		*56 - 125*	*11/04/21 12:14*	*11/08/21 18:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85.2**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**14.8**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A54B — Lab Sample ID: 180-129462-5

Date Collected: 11/03/21 16:15 — **Matrix: Solid**
Date Received: 11/04/21 09:45 — **Percent Solids: 87.7**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.018	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
2-Butanone (MEK)	ND		0.017	0.0030	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Chlorobenzene	ND		0.0043	0.00078	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Chloroform	ND		0.0043	0.00067	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,2-Dichlorobenzene	ND	*3	0.0043	0.00095	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,3-Dichlorobenzene	ND	*3	0.0043	0.00070	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,4-Dichlorobenzene	ND	*3	0.0043	0.00075	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,1-Dichloroethane	ND		0.0043	0.00059	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,2-Dichloroethane	ND		0.0043	0.00066	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,4-Dioxane	ND		0.21	0.062	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Ethylbenzene	ND		0.0043	0.00089	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Methylene Chloride	ND		0.021	0.010	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1

Client Sample ID: SSHS-IRM5A2-A1-A54B

Lab Sample ID: 180-129462-5
Date Collected: 11/03/21 16:15
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 87.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	*3	0.0043	0.0030	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
N-Propylbenzene	ND	*3	0.0043	0.0015	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
sec-Butylbenzene	ND	*3	0.0043	0.0016	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
tert-Butylbenzene	ND	*3	0.0043	0.0022	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Tetrachloroethene	ND		0.0043	0.00062	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Toluene	ND		0.0043	0.00066	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Trichloroethene	ND		0.0043	0.00054	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,2,4-Trimethylbenzene	ND	*3	0.0043	0.0020	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
1,3,5-Trimethylbenzene	ND	*3	0.0043	0.0016	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1
Xylenes, Total	ND		0.0085	0.0014	mg/Kg	☼	11/04/21 12:14	11/08/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*3*	*41 - 143*	*11/04/21 12:14*	*11/08/21 18:32*	*1*
Dibromofluoromethane (Surr)	*89*		*41 - 138*	*11/04/21 12:14*	*11/08/21 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*58 - 125*	*11/04/21 12:14*	*11/08/21 18:32*	*1*
Toluene-d8 (Surr)	*103*		*56 - 125*	*11/04/21 12:14*	*11/08/21 18:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.7**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**12.3**		0.1	0.1	%			11/05/21 10:04	1

Client Sample ID: SSHS-IRM5A2-A1-A54C

Lab Sample ID: 180-129462-6
Date Collected: 11/03/21 16:05
Matrix: Solid
Date Received: 11/04/21 09:45
Percent Solids: 88.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0070**	**J**	0.0074	0.0021	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Acenaphthylene	**0.032**		0.0074	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Anthracene	**0.041**		0.0074	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Benzo[a]anthracene	**0.15**		0.0074	0.0033	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Benzo[a]pyrene	**0.12**		0.0074	0.0032	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Benzo[b]fluoranthene	**0.18**		0.0074	0.0018	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Benzo[g,h,i]perylene	**0.11**		0.0074	0.0016	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Benzo[k]fluoranthene	**0.060**		0.0074	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Chrysene	**0.15**		0.0074	0.0041	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Dibenz(a,h)anthracene	**0.027**		0.0074	0.0047	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Fluoranthene	**0.21**		0.0074	0.0019	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Fluorene	**0.0067**	**J**	0.0074	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Indeno[1,2,3-cd]pyrene	**0.099**		0.0074	0.0037	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1

Client Sample ID: SSHS-IRM5A2-A1-A54C **Lab Sample ID: 180-129462-6**
Date Collected: 11/03/21 16:05 **Matrix: Solid**
Date Received: 11/04/21 09:45 **Percent Solids: 88.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Naphthalene	**0.020**		0.0074	0.0014	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Nitrobenzene	ND		0.074	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Phenanthrene	**0.11**		0.0074	0.0020	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Pyrene	**0.27**		0.0074	0.0017	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*11/08/21 20:03*	*11/09/21 16:08*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*11/08/21 20:03*	*11/09/21 16:08*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*11/08/21 20:03*	*11/09/21 16:08*	*1*
Phenol-d5 (Surr)	*62*		*34 - 105*	*11/08/21 20:03*	*11/09/21 16:08*	*1*
Terphenyl-d14 (Surr)	*84*		*20 - 117*	*11/08/21 20:03*	*11/09/21 16:08*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 119*	*11/08/21 20:03*	*11/09/21 16:08*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1254	**0.37**		0.018	0.0055	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	11/09/21 08:45	11/10/21 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*11/09/21 08:45*	*11/10/21 13:21*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*11/09/21 08:45*	*11/10/21 13:21*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*11/09/21 08:45*	*11/10/21 13:21*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*11/09/21 08:45*	*11/10/21 13:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		1.5	0.31	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Barium	**100**		19	0.35	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Beryllium	**0.55**		0.49	0.052	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Cadmium	**0.14**	**J**	0.49	0.047	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Chromium	**13**		0.97	0.33	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Copper	**41**		2.4	0.23	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Lead	**27**		0.97	0.27	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Manganese	**410**		1.5	1.1	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Nickel	**26**		3.9	0.23	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Selenium	**0.55**	**J**	1.9	0.46	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129462-1

Client Sample ID: SSHS-IRM5A2-A1-A54C
Date Collected: 11/03/21 16:05
Date Received: 11/04/21 09:45

Lab Sample ID: 180-129462-6
Matrix: Solid
Percent Solids: 88.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.97	0.079	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1
Zinc	**110**		4.9	1.3	mg/Kg	☼	11/05/21 11:00	11/08/21 17:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.12	0.022	mg/Kg	☼	11/05/21 12:00	11/09/21 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.35**	**J**	0.55	0.21	mg/Kg	☼	11/09/21 14:45	11/09/21 17:34	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/09/21 16:20	11/10/21 19:19	1
Percent Solids	**88.1**		0.1	0.1	%			11/05/21 10:04	1
Percent Moisture	**11.9**		0.1	0.1	%			11/05/21 10:04	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-511730/6
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg			11/05/21 21:36	1
Benzene	ND		0.0050	0.00070	mg/Kg			11/05/21 21:36	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg			11/05/21 21:36	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg			11/05/21 21:36	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg			11/05/21 21:36	1
Chloroform	ND		0.0050	0.00079	mg/Kg			11/05/21 21:36	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/05/21 21:36	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg			11/05/21 21:36	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg			11/05/21 21:36	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg			11/05/21 21:36	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg			11/05/21 21:36	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg			11/05/21 21:36	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg			11/05/21 21:36	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg			11/05/21 21:36	1
Methylene Chloride	0.0123	J	0.025	0.012	mg/Kg			11/05/21 21:36	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg			11/05/21 21:36	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg			11/05/21 21:36	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg			11/05/21 21:36	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/05/21 21:36	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg			11/05/21 21:36	1
Toluene	ND		0.0050	0.00077	mg/Kg			11/05/21 21:36	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg			11/05/21 21:36	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg			11/05/21 21:36	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg			11/05/21 21:36	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/05/21 21:36	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg			11/05/21 21:36	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg			11/05/21 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41 - 143*		*11/05/21 21:36*	*1*
Dibromofluoromethane (Surr)	*88*		*41 - 138*		*11/05/21 21:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*58 - 125*		*11/05/21 21:36*	*1*
Toluene-d8 (Surr)	*94*		*56 - 125*		*11/05/21 21:36*	*1*

Lab Sample ID: LCS 240-511730/5
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.163	*+	mg/Kg		163	58 - 160
Benzene	0.0500	0.0487		mg/Kg		97	76 - 121
2-Butanone (MEK)	0.100	0.119		mg/Kg		119	63 - 142
Carbon tetrachloride	0.0500	0.0566		mg/Kg		113	64 - 144
Chlorobenzene	0.0500	0.0484		mg/Kg		97	80 - 120
Chloroform	0.0500	0.0503		mg/Kg		101	78 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511730/5
Matrix: Solid
Analysis Batch: 511730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	78 - 124
1,2-Dichlorobenzene	0.0500	0.0481		mg/Kg		96	73 - 120
1,3-Dichlorobenzene	0.0500	0.0475		mg/Kg		95	73 - 120
1,4-Dichlorobenzene	0.0500	0.0463		mg/Kg		93	74 - 120
1,1-Dichloroethane	0.0500	0.0507		mg/Kg		101	74 - 121
1,2-Dichloroethane	0.0500	0.0526		mg/Kg		105	71 - 123
1,1-Dichloroethene	0.0500	0.0559		mg/Kg		112	68 - 141
1,4-Dioxane	1.00	1.11		mg/Kg		111	57 - 147
Ethylbenzene	0.0500	0.0480		mg/Kg		96	80 - 120
Methylene Chloride	0.0500	0.0688	*+	mg/Kg		138	71 - 124
Methyl tert-butyl ether	0.0500	0.0514		mg/Kg		103	70 - 130
n-Butylbenzene	0.0500	0.0443		mg/Kg		89	70 - 135
N-Propylbenzene	0.0500	0.0472		mg/Kg		94	78 - 126
sec-Butylbenzene	0.0500	0.0478		mg/Kg		96	77 - 130
tert-Butylbenzene	0.0500	0.0498		mg/Kg		100	79 - 128
Tetrachloroethene	0.0500	0.0512		mg/Kg		102	76 - 127
Toluene	0.0500	0.0485		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0547		mg/Kg		109	76 - 130
1,1,1-Trichloroethane	0.0500	0.0558		mg/Kg		112	74 - 136
Trichloroethene	0.0500	0.0516		mg/Kg		103	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0483		mg/Kg		97	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0488		mg/Kg		98	79 - 128
Vinyl chloride	0.0200	0.0195		mg/Kg		98	49 - 146
Xylenes, Total	0.100	0.0981		mg/Kg		98	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*
Dibromofluoromethane (Surr)	*90*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*83*		*58 - 125*
Toluene-d8 (Surr)	*96*		*56 - 125*

Lab Sample ID: MB 240-511954/6
Matrix: Solid
Analysis Batch: 511954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg			11/08/21 16:07	1
Benzene	ND		0.0050	0.00070	mg/Kg			11/08/21 16:07	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg			11/08/21 16:07	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg			11/08/21 16:07	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg			11/08/21 16:07	1
Chloroform	ND		0.0050	0.00079	mg/Kg			11/08/21 16:07	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/08/21 16:07	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg			11/08/21 16:07	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg			11/08/21 16:07	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg			11/08/21 16:07	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg			11/08/21 16:07	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg			11/08/21 16:07	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-511954/6
Matrix: Solid
Analysis Batch: 511954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/08/21 16:07	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg			11/08/21 16:07	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg			11/08/21 16:07	1
Methylene Chloride	ND		0.025	0.012	mg/Kg			11/08/21 16:07	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg			11/08/21 16:07	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg			11/08/21 16:07	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/08/21 16:07	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg			11/08/21 16:07	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/08/21 16:07	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg			11/08/21 16:07	1
Toluene	ND		0.0050	0.00077	mg/Kg			11/08/21 16:07	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg			11/08/21 16:07	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg			11/08/21 16:07	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg			11/08/21 16:07	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg			11/08/21 16:07	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/08/21 16:07	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg			11/08/21 16:07	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg			11/08/21 16:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41 - 143*		*11/08/21 16:07*	*1*
Dibromofluoromethane (Surr)	*84*		*41 - 138*		*11/08/21 16:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*58 - 125*		*11/08/21 16:07*	*1*
Toluene-d8 (Surr)	*88*		*56 - 125*		*11/08/21 16:07*	*1*

Lab Sample ID: LCS 240-511954/9
Matrix: Solid
Analysis Batch: 511954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.153		mg/Kg		153	58 - 160
Benzene	0.0500	0.0454		mg/Kg		91	76 - 121
2-Butanone (MEK)	0.100	0.120		mg/Kg		120	63 - 142
Carbon tetrachloride	0.0500	0.0501		mg/Kg		100	64 - 144
Chlorobenzene	0.0500	0.0419		mg/Kg		84	80 - 120
Chloroform	0.0500	0.0475		mg/Kg		95	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0467		mg/Kg		93	78 - 124
1,2-Dichlorobenzene	0.0500	0.0418		mg/Kg		84	73 - 120
1,3-Dichlorobenzene	0.0500	0.0405		mg/Kg		81	73 - 120
1,4-Dichlorobenzene	0.0500	0.0396		mg/Kg		79	74 - 120
1,1-Dichloroethane	0.0500	0.0475		mg/Kg		95	74 - 121
1,2-Dichloroethane	0.0500	0.0502		mg/Kg		100	71 - 123
1,1-Dichloroethene	0.0500	0.0520		mg/Kg		104	68 - 141
1,4-Dioxane	1.00	1.16		mg/Kg		116	57 - 147
Ethylbenzene	0.0500	0.0414		mg/Kg		83	80 - 120
Methylene Chloride	0.0500	0.0606		mg/Kg		121	71 - 124
Methyl tert-butyl ether	0.0500	0.0523		mg/Kg		105	70 - 130
n-Butylbenzene	0.0500	0.0349		mg/Kg		70	70 - 135

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-511954/9
Matrix: Solid
Analysis Batch: 511954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0500	0.0391		mg/Kg		78	78 - 126
sec-Butylbenzene	0.0500	0.0383		mg/Kg		77	77 - 130
tert-Butylbenzene	0.0500	0.0409		mg/Kg		82	79 - 128
Tetrachloroethene	0.0500	0.0440		mg/Kg		88	76 - 127
Toluene	0.0500	0.0423		mg/Kg		85	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0500		mg/Kg		100	76 - 130
1,1,1-Trichloroethane	0.0500	0.0500		mg/Kg		100	74 - 136
Trichloroethene	0.0500	0.0502		mg/Kg		100	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0404		mg/Kg		81	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0406		mg/Kg		81	79 - 128
Vinyl chloride	0.0200	0.0178		mg/Kg		89	49 - 146
Xylenes, Total	0.100	0.0828		mg/Kg		83	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*41 - 143*
Dibromofluoromethane (Surr)	*85*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*78*		*58 - 125*
Toluene-d8 (Surr)	*90*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-378135/1-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Anthracene	ND		0.0034	0.00087	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Chrysene	ND		0.0034	0.0019	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Fluorene	ND		0.0034	0.00066	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		11/08/21 20:03	11/09/21 09:46	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-378135/1-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.085	0.027	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Phenol	ND		0.017	0.0051	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Pyrene	ND		0.0034	0.00079	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Pyridine	ND		0.034	0.0090	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		11/08/21 20:03	11/09/21 09:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
2-Fluorophenol (Surr)	*79*		*32 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*11/08/21 20:03*	*11/09/21 09:46*	*1*

Lab Sample ID: LCS 180-378135/2-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.239		mg/Kg		72	41 - 100
Acenaphthylene	0.333	0.242		mg/Kg		73	45 - 100
Anthracene	0.333	0.248		mg/Kg		75	47 - 100
Benzo[a]anthracene	0.333	0.265		mg/Kg		79	47 - 100
Benzo[a]pyrene	0.333	0.228		mg/Kg		69	45 - 101
Benzo[b]fluoranthene	0.333	0.236		mg/Kg		71	44 - 100
Benzo[g,h,i]perylene	0.333	0.210		mg/Kg		63	45 - 103
Benzo[k]fluoranthene	0.333	0.207		mg/Kg		62	43 - 100
Chrysene	0.333	0.234		mg/Kg		70	44 - 100
Dibenz(a,h)anthracene	0.333	0.233		mg/Kg		70	46 - 107
Dibenzofuran	0.333	0.234		mg/Kg		70	47 - 100
2,4-Dinitrotoluene	0.333	0.248		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.251		mg/Kg		75	10 - 133
Fluoranthene	0.333	0.249		mg/Kg		75	49 - 102
Fluorene	0.333	0.231		mg/Kg		69	46 - 100
Hexachlorobenzene	0.333	0.245		mg/Kg		74	45 - 101
Hexachlorobutadiene	0.333	0.239		mg/Kg		72	38 - 110
Hexachloroethane	0.333	0.237		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.233		mg/Kg		70	48 - 104
2-Methylphenol	0.333	0.225		mg/Kg		67	43 - 101
Methylphenol, 3 & 4	0.333	0.218		mg/Kg		65	43 - 104
Naphthalene	0.333	0.240		mg/Kg		72	43 - 100
Nitrobenzene	0.333	0.244		mg/Kg		73	43 - 107
Pentachlorophenol	0.667	0.463		mg/Kg		69	34 - 112
Phenanthrene	0.333	0.243		mg/Kg		73	46 - 100
Phenol	0.333	0.229		mg/Kg		69	42 - 103
Pyrene	0.333	0.254		mg/Kg		76	44 - 102

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-378135/2-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.667	0.533		mg/Kg		80	25 - 109
2,4,5-Trichlorophenol	0.333	0.236		mg/Kg		71	47 - 108
2,4,6-Trichlorophenol	0.333	0.244		mg/Kg		73	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*82*		*32 - 105*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377879/1-A
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/09/21 08:45	11/10/21 09:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/09/21 08:45*	*11/10/21 09:34*	*1*

Lab Sample ID: LCS 180-377879/2-A
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.04		mg/Kg		78	43 - 136
PCB-1260	1.33	1.15		mg/Kg		86	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-511621/1-A
Matrix: Solid
Analysis Batch: 512076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511621

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Barium	ND		20	0.36	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Beryllium	ND		0.50	0.054	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Cadmium	ND		0.50	0.048	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Chromium	ND		1.0	0.34	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Copper	ND		2.5	0.24	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Lead	ND		1.0	0.28	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Manganese	ND		1.5	1.1	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Nickel	ND		4.0	0.23	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Selenium	ND		2.0	0.47	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Silver	ND		1.0	0.081	mg/Kg		11/05/21 11:00	11/08/21 16:36	1
Zinc	ND		5.0	1.4	mg/Kg		11/05/21 11:00	11/08/21 16:36	1

Lab Sample ID: LCS 240-511621/2-A
Matrix: Solid
Analysis Batch: 512076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	200		mg/Kg		100	80 - 120
Barium	200	193		mg/Kg		97	80 - 120
Beryllium	100	98.4		mg/Kg		98	80 - 120
Cadmium	100	99.8		mg/Kg		100	80 - 120
Chromium	100	94.9		mg/Kg		95	80 - 120
Copper	100	95.0		mg/Kg		95	80 - 120
Lead	100	95.5		mg/Kg		96	80 - 120
Manganese	100	94.9		mg/Kg		95	80 - 120
Nickel	100	97.8		mg/Kg		98	80 - 120
Selenium	200	192		mg/Kg		96	80 - 120
Silver	10.0	9.46		mg/Kg		95	80 - 120
Zinc	100	95.2		mg/Kg		95	80 - 120

Lab Sample ID: 180-129462-3 MS
Matrix: Solid
Analysis Batch: 512076

Client Sample ID: SSHS-IRM5A2-A1-A53C
Prep Type: Total/NA
Prep Batch: 511621

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.4		200	183		mg/Kg	☼	89	75 - 125
Barium	37		200	208		mg/Kg	☼	86	75 - 125
Beryllium	0.29	J	99.9	86.2		mg/Kg	☼	86	75 - 125
Cadmium	0.096	J	99.9	88.9		mg/Kg	☼	89	75 - 125
Chromium	7.9		99.9	89.7		mg/Kg	☼	82	75 - 125
Copper	20		99.9	104		mg/Kg	☼	84	75 - 125
Lead	8.0		99.9	89.9		mg/Kg	☼	82	75 - 125
Manganese	420		99.9	493	4	mg/Kg	☼	76	75 - 125
Nickel	15		99.9	112		mg/Kg	☼	97	75 - 125
Selenium	0.51	J	200	169		mg/Kg	☼	84	75 - 125
Silver	ND		9.99	8.45		mg/Kg	☼	85	75 - 125
Zinc	64		99.9	157		mg/Kg	☼	93	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-129462-3 MSD
Matrix: Solid
Analysis Batch: 512076

Client Sample ID: SSHS-IRM5A2-A1-A53C
Prep Type: Total/NA
Prep Batch: 511621

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.4		200	184		mg/Kg	☼	89	75 - 125	0	20
Barium	37		200	215		mg/Kg	☼	89	75 - 125	3	20
Beryllium	0.29	J	99.9	86.8		mg/Kg	☼	87	75 - 125	1	20
Cadmium	0.096	J	99.9	90.0		mg/Kg	☼	90	75 - 125	1	20
Chromium	7.9		99.9	92.2		mg/Kg	☼	84	75 - 125	3	20
Copper	20		99.9	109		mg/Kg	☼	89	75 - 125	4	20
Lead	8.0		99.9	91.6		mg/Kg	☼	84	75 - 125	2	20
Manganese	420		99.9	532	4	mg/Kg	☼	114	75 - 125	7	20
Nickel	15		99.9	115		mg/Kg	☼	100	75 - 125	2	20
Selenium	0.51	J	200	171		mg/Kg	☼	85	75 - 125	1	20
Silver	ND		9.99	8.57		mg/Kg	☼	86	75 - 125	1	20
Zinc	64		99.9	161		mg/Kg	☼	97	75 - 125	2	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-511624/1-A
Matrix: Solid
Analysis Batch: 512158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		11/05/21 12:00	11/09/21 13:33	1

Lab Sample ID: LCS 240-511624/2-A
Matrix: Solid
Analysis Batch: 512158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.829		mg/Kg		100	80 - 120

Lab Sample ID: 180-129462-3 MS
Matrix: Solid
Analysis Batch: 512158

Client Sample ID: SSHS-IRM5A2-A1-A53C
Prep Type: Total/NA
Prep Batch: 511624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.202	0.208		mg/Kg	☼	103	80 - 120

Lab Sample ID: 180-129462-3 MSD
Matrix: Solid
Analysis Batch: 512158

Client Sample ID: SSHS-IRM5A2-A1-A53C
Prep Type: Total/NA
Prep Batch: 511624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.202	0.203		mg/Kg	☼	101	80 - 120	3	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 240-512165/1-A
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.19	mg/Kg		11/09/21 14:45	11/09/21 17:13	1

Lab Sample ID: LCS 240-512165/2-A
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.71	5.93		mg/Kg		104	65 - 128

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-377927/1-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/09/21 16:20	11/10/21 19:00	1

Lab Sample ID: LCSI 180-377927/3-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377927

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	692		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-377927/2-A
Matrix: Solid
Analysis Batch: 378489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377927

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.4		mg/Kg		87	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 180-129462-1 DU
Matrix: Solid
Analysis Batch: 511635

Client Sample ID: SSHS-IRM5A2-A1-A53A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	90.2		92.7		%		3	20
Percent Moisture	9.8		7.3	F3	%		29	20

GC/MS VOA

Prep Batch: 511710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-1	SSHS-IRM5A2-A1-A53A	Total/NA	Solid	5035	
180-129462-2	SSHS-IRM5A2-A1-A53B	Total/NA	Solid	5035	
180-129462-4	SSHS-IRM5A2-A1-A54A	Total/NA	Solid	5035	
180-129462-5	SSHS-IRM5A2-A1-A54B	Total/NA	Solid	5035	

Analysis Batch: 511730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-1	SSHS-IRM5A2-A1-A53A	Total/NA	Solid	8260C	511710
180-129462-2	SSHS-IRM5A2-A1-A53B	Total/NA	Solid	8260C	511710
MB 240-511730/6	Method Blank	Total/NA	Solid	8260C	
LCS 240-511730/5	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 511954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-4	SSHS-IRM5A2-A1-A54A	Total/NA	Solid	8260C	511710
180-129462-5	SSHS-IRM5A2-A1-A54B	Total/NA	Solid	8260C	511710
MB 240-511954/6	Method Blank	Total/NA	Solid	8260C	
LCS 240-511954/9	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 378135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3541	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	3541	
MB 180-378135/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378135/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 378178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	EPA 8270D LL	378135
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	EPA 8270D LL	378135
MB 180-378135/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	378135
LCS 180-378135/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	378135

GC Semi VOA

Prep Batch: 377879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3541	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	3541	
MB 180-377879/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377879/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 378325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3665A	377879
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	3665A	377879

Cleanup Batch: 378326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3660B	378325

GC Semi VOA (Continued)

Cleanup Batch: 378326 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	3660B	378325

Analysis Batch: 378347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	EPA 8082A	378326
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	EPA 8082A	378326
MB 180-377879/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377879
LCS 180-377879/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377879

Metals

Prep Batch: 511621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3050B	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	3050B	
MB 240-511621/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-511621/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-129462-3 MS	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3050B	
180-129462-3 MSD	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3050B	

Prep Batch: 511624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	7471B	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	7471B	
MB 240-511624/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-511624/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-129462-3 MS	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	7471B	
180-129462-3 MSD	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	7471B	

Analysis Batch: 512076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	6010C	511621
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	6010C	511621
MB 240-511621/1-A	Method Blank	Total/NA	Solid	6010C	511621
LCS 240-511621/2-A	Lab Control Sample	Total/NA	Solid	6010C	511621
180-129462-3 MS	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	6010C	511621
180-129462-3 MSD	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	6010C	511621

Analysis Batch: 512158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	7471B	511624
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	7471B	511624
MB 240-511624/1-A	Method Blank	Total/NA	Solid	7471B	511624
LCS 240-511624/2-A	Lab Control Sample	Total/NA	Solid	7471B	511624
180-129462-3 MS	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	7471B	511624
180-129462-3 MSD	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	7471B	511624

General Chemistry

Prep Batch: 377927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 377927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	3060A	
MB 180-377927/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-377927/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-377927/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 378489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	EPA 7196A	377927
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	EPA 7196A	377927
MB 180-377927/1-A	Method Blank	Total/NA	Solid	EPA 7196A	377927
LCSI 180-377927/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377927
LCSS 180-377927/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	377927

Analysis Batch: 511635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-1	SSHS-IRM5A2-A1-A53A	Total/NA	Solid	Moisture	
180-129462-2	SSHS-IRM5A2-A1-A53B	Total/NA	Solid	Moisture	
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	Moisture	
180-129462-4	SSHS-IRM5A2-A1-A54A	Total/NA	Solid	Moisture	
180-129462-5	SSHS-IRM5A2-A1-A54B	Total/NA	Solid	Moisture	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	Moisture	
180-129462-1 DU	SSHS-IRM5A2-A1-A53A	Total/NA	Solid	Moisture	

Prep Batch: 512165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	9012B	
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	9012B	
MB 240-512165/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 240-512165/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 512184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129462-3	SSHS-IRM5A2-A1-A53C	Total/NA	Solid	9012B	512165
180-129462-6	SSHS-IRM5A2-A1-A54C	Total/NA	Solid	9012B	512165
MB 240-512165/1-A	Method Blank	Total/NA	Solid	9012B	512165
LCS 240-512165/2-A	Lab Control Sample	Total/NA	Solid	9012B	512165

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Home	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A53A	11/3/21	1345	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A53B	11/3/21	1345	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A53C	11/3/21	1335	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A54A	11/3/21	1615	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A54B	11/3/21	1615	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A54C	11/3/21	1605	C	S	N	N		X	X	X	X	X	X	X						5	

180-129462 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:				11/4/21 945	ESTA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

11/1-6

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A53A	11/3/21	1345	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A53B	11/3/21	1345	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A53C	11/3/21	1335	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A54A	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54B	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54C	11/3/21	1605	C	S	N	N		X	X	X	X	X	X	X	5	

180-129462 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab Archive For ____ Months (ger than 1 month)

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				Mandelyn Block	11-4-21 10:10	EXN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-129462

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :**
Canton Facility

Client GeoSynTech Site Name

Cooler Received on 11-4-21 Opened on 11-4-21

Cooler unpacked by: Mandy Bloce

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # TA Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other Box

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 1.5 °C Corrected Cooler Temp. 1.6 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17. Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen: 12:14

180-

Login # : 129462

Eurofins TestAmerica Canton Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
TA Client Box Other	IR-14 IR-15	1.5	1.6	Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-14 IR-15	0.9	1.0	Wet Ice Blue Ice Dry Ice Water None
TA Client Box Other	IR-14 IR-15	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 day	180-129462 Chain of Custody	A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A53A	11/3/21	1345	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A53B	11/3/21	1345	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A53C	11/3/21	1335	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A54A	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54B	11/3/21	1615	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A54C	11/3/21	1605	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: Colin	Date/Time:	Company	Received by:	Date/Time: 11-4-21 1030	Company EGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.0

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-129462 Field Sheet

Job: _____

Tracking # : 775087291179

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 107 Corr. Factor: (+ / -) N/B °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.0 °C Corrected: 1.0 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SG Date: 11-4-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LD Date: 11/4/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☐	☐	☒

Initials: KB Date: 11/4/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129462-1

Login Number: 129462
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129572-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/12/2021 3:27:55 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129572-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129572-2

Receipt
The samples were received on 11/5/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.4º C, 3.4º C and 5.6º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was below the established ratio limits for the following samples: SSHS-IRM5A2-A1-A55C (180-129572-3) and SSHS-IRM5A2-A1-A56C (180-129572-6). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129572-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129572-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129572-3	SSHS-IRM5A2-A1-A55C	Solid	11/04/21 15:15	11/05/21 10:00
180-129572-6	SSHS-IRM5A2-A1-A56C	Solid	11/04/21 16:00	11/05/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-2

Client Sample ID: SSHS-IRM5A2-A1-A55C

Lab Sample ID: 180-129572-3
Date Collected: 11/04/21 15:15
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.16 g	10.0 mL	540842	11/08/21 04:55	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			541135	11/09/21 03:21	MYV	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A56C

Lab Sample ID: 180-129572-6
Date Collected: 11/04/21 16:00
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.35 g	10.0 mL	540842	11/08/21 04:55	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			541135	11/09/21 03:51	MYV	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

HK = Harmandeep Kaur

Batch Type: Analysis

MYV = Mai Yee Vang

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-2

Client Sample ID: SSHS-IRM5A2-A1-A55C
Date Collected: 11/04/21 15:15
Date Received: 11/05/21 10:00

Lab Sample ID: 180-129572-3
Matrix: Solid
Percent Solids: 85.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.11**	**J**	0.23	0.052	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluoropentanoic acid (PFPeA)	**0.15**	**J**	0.23	0.047	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorohexanoic acid (PFHxA)	**0.042**	**J**	0.23	0.035	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorooctanoic acid (PFOA)	**0.094**	**J**	0.23	0.060	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorooctanesulfonic acid (PFOS)	**0.30**	**I**	0.23	0.049	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	11/08/21 04:55	11/09/21 03:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C5 PFPeA	*98*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C2 PFHxA	*97*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C4 PFHpA	*102*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C4 PFOA	*98*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C5 PFNA	*101*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C2 PFDA	*100*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C2 PFUnA	*94*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C3 PFBS	*102*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
18O2 PFHxS	*95*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C4 PFOS	*96*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
13C8 FOSA	*94*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:21*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-2

Client Sample ID: SSHS-IRM5A2-A1-A56C
Date Collected: 11/04/21 16:00
Date Received: 11/05/21 10:00

Lab Sample ID: 180-129572-6
Matrix: Solid
Percent Solids: 85.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.081**	**J**	0.22	0.050	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluoropentanoic acid (PFPeA)	**0.14**	**J**	0.22	0.045	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorohexanoic acid (PFHxA)	**0.036**	**J**	0.22	0.034	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorooctanoic acid (PFOA)	**0.10**	**J**	0.22	0.058	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorononanoic acid (PFNA)	**0.024**	**J**	0.22	0.024	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorooctanesulfonic acid (PFOS)	**0.18**	**J I**	0.22	0.047	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/08/21 04:55	11/09/21 03:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C5 PFPeA	*96*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C2 PFHxA	*96*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C4 PFHpA	*106*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C4 PFOA	*104*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C5 PFNA	*98*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C2 PFUnA	*93*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C2 PFDoA	*83*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C3 PFBS	*99*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
18O2 PFHxS	*92*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C4 PFOS	*93*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*
M2-8:2 FTS	*94*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:51*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-540842/1-A
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/08/21 04:55	11/09/21 03:00	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/08/21 04:55	11/09/21 03:00	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C5 PFPeA	*103*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C2 PFHxA	*100*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C4 PFHpA	*100*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C4 PFOA	*105*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C5 PFNA	*97*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C2 PFDA	*96*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C2 PFUnA	*93*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C2 PFDoA	*93*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C3 PFBS	*108*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
18O2 PFHxS	*102*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C4 PFOS	*99*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
13C8 FOSA	*94*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*11/08/21 04:55*	*11/09/21 03:00*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540842/2-A
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.98		ug/Kg		99	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.89		ug/Kg		94	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.86		ug/Kg		93	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.97		ug/Kg		98	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.93		ug/Kg		97	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.95		ug/Kg		98	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.85		ug/Kg		92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.96		ug/Kg		98	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.46		ug/Kg		82	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.63		ug/Kg		90	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.70		ug/Kg		89	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.67		ug/Kg		90	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.66		ug/Kg		86	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.03		ug/Kg		101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.76		ug/Kg		88	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.92		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.69		ug/Kg		89	73 - 139
8:2 FTS	1.92	1.70		ug/Kg		89	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*77*		*25 - 150*
13C5 PFPeA	*95*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*103*		*25 - 150*
13C4 PFOA	*104*		*25 - 150*
13C5 PFNA	*96*		*25 - 150*
13C2 PFDA	*90*		*25 - 150*
13C2 PFUnA	*90*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*90*		*25 - 150*
13C3 PFBS	*104*		*25 - 150*
18O2 PFHxS	*98*		*25 - 150*
13C4 PFOS	*100*		*25 - 150*
13C8 FOSA	*90*		*25 - 150*
d3-NMeFOSAA	*92*		*25 - 150*
d5-NEtFOSAA	*90*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-540842/2-A
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540842

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*100*		*25 - 150*
M2-8:2 FTS	*94*		*25 - 150*

Lab Sample ID: 180-129572-3 MS
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: SSHS-IRM5A2-A1-A55C
Prep Type: Total/NA
Prep Batch: 540842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.11	J	2.23	2.30		ug/Kg	☼	98	76 - 136
Perfluoropentanoic acid (PFPeA)	0.15	J	2.23	1.97		ug/Kg	☼	82	69 - 129
Perfluorohexanoic acid (PFHxA)	0.042	J	2.23	1.93		ug/Kg	☼	85	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.23	2.00		ug/Kg	☼	90	71 - 131
Perfluorooctanoic acid (PFOA)	0.094	J	2.23	2.02		ug/Kg	☼	86	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.23	1.99		ug/Kg	☼	89	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.23	1.97		ug/Kg	☼	88	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.23	2.02		ug/Kg	☼	91	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.23	2.06		ug/Kg	☼	92	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.23	1.92		ug/Kg	☼	86	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.23	1.94		ug/Kg	☼	87	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.97	1.51		ug/Kg	☼	77	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.03	1.72		ug/Kg	☼	85	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.12	1.83		ug/Kg	☼	86	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.30	I	2.07	1.90		ug/Kg	☼	77	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.15	1.71		ug/Kg	☼	80	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.23	2.00		ug/Kg	☼	90	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.23	1.75		ug/Kg	☼	79	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.23	1.99		ug/Kg	☼	89	72 - 132
6:2 FTS	ND		2.11	1.93		ug/Kg	☼	91	73 - 139
8:2 FTS	ND		2.13	1.76		ug/Kg	☼	83	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*81*		*25 - 150*
13C5 PFPeA	*109*		*25 - 150*
13C2 PFHxA	*108*		*25 - 150*
13C4 PFHpA	*111*		*25 - 150*
13C4 PFOA	*111*		*25 - 150*
13C5 PFNA	*106*		*25 - 150*
13C2 PFDA	*104*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*100*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129572-3 MS
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: SSHS-IRM5A2-A1-A55C
Prep Type: Total/NA
Prep Batch: 540842

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	98		25 - 150
13C3 PFBS	108		25 - 150
18O2 PFHxS	99		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	99		25 - 150
d3-NMeFOSAA	99		25 - 150
d5-NEtFOSAA	98		25 - 150
M2-6:2 FTS	97		25 - 150
M2-8:2 FTS	99		25 - 150

Lab Sample ID: 180-129572-3 MSD
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: SSHS-IRM5A2-A1-A55C
Prep Type: Total/NA
Prep Batch: 540842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.11	J	2.19	2.08		ug/Kg	☼	90	76 - 136	10	30
Perfluoropentanoic acid (PFPeA)	0.15	J	2.19	1.99		ug/Kg	☼	84	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	0.042	J	2.19	1.98		ug/Kg	☼	88	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.19	1.99		ug/Kg	☼	91	71 - 131	0	30
Perfluorooctanoic acid (PFOA)	0.094	J	2.19	1.94		ug/Kg	☼	84	72 - 132	4	30
Perfluorononanoic acid (PFNA)	ND		2.19	2.05		ug/Kg	☼	93	73 - 133	3	30
Perfluorodecanoic acid (PFDA)	ND		2.19	1.96		ug/Kg	☼	89	72 - 132	0	30
Perfluoroundecanoic acid (PFUnA)	ND		2.19	1.89		ug/Kg	☼	86	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		2.19	1.92		ug/Kg	☼	88	71 - 131	7	30
Perfluorotridecanoic acid (PFTriA)	ND		2.19	1.84		ug/Kg	☼	84	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.19	1.91		ug/Kg	☼	87	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.94	1.52		ug/Kg	☼	79	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.00	1.74		ug/Kg	☼	87	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.09	1.78		ug/Kg	☼	85	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	0.30	I	2.04	1.96		ug/Kg	☼	82	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.12	1.66		ug/Kg	☼	78	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.19	2.05		ug/Kg	☼	93	77 - 137	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.19	1.88		ug/Kg	☼	86	72 - 132	7	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.19	1.81		ug/Kg	☼	83	72 - 132	9	30
6:2 FTS	ND		2.08	1.85		ug/Kg	☼	89	73 - 139	4	30
8:2 FTS	ND		2.10	1.83		ug/Kg	☼	87	75 - 135	4	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	95		25 - 150
13C5 PFPeA	102		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129572-3 MSD
Matrix: Solid
Analysis Batch: 541135

Client Sample ID: SSHS-IRM5A2-A1-A55C
Prep Type: Total/NA
Prep Batch: 540842

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	98		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	108		25 - 150
13C5 PFNA	103		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	103		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	102		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	91		25 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	102		25 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	99		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-2

LCMS

Prep Batch: 540842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	SHAKE	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	SHAKE	
MB 320-540842/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-540842/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-129572-3 MS	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	SHAKE	
180-129572-3 MSD	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	SHAKE	

Analysis Batch: 541135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	537 (modified)	540842
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	537 (modified)	540842
MB 320-540842/1-A	Method Blank	Total/NA	Solid	537 (modified)	540842
LCS 320-540842/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	540842
180-129572-3 MS	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	537 (modified)	540842
180-129572-3 MSD	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	537 (modified)	540842

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/4/21	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/4/21	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/4/21	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A56A	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56B	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56C	11/4/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	

180-129572 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than ☐ Return To Client ☐ Disposal By Lab ☐ Archive For

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1					11/5/21 1000	EFA 01
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

33/34

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/4/21	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/4/21	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/4/21	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A56A	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56B	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56C	11/4/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	

180-129572 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed ... samples ...
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				N. R. A.	11/5/21 8:30	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180 129572 +197 one 11-5-21

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :**
Canton Facility

Client Geosyntec Consulting, Inc. Site Name

Cooler unpacked by: Matthew Surma

Cooler Received on 11/5/21 Opened on 11/5/21

FedEx: (1st) Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # TA Foam Box Client Cooler Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 3.3 °C Corrected Cooler Temp. 3.4 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were the seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes (No)
   -Were tamper/custody seals intact and uncompromised? (Yes) No NA
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? (Yes) No
9. For each sample, does the COC specify preservatives (Y)N), # of containers (Y)N), and sample type of grab/comp(Y)N)?
10. Were correct bottle(s) used for the test(s) indicated? (Yes) No
11. Sufficient quantity received to perform indicated analyses? (Yes) No
12. Are these work share samples and all listed on the COC? Yes (No)
    If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC? (Yes) No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Yes (No)
17. Was a LL Hg or Me Hg trip blank present? Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

Samples SSHS-IRMA5A2-A1-A55C/5GC only have 1 container, not 5

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen:

FedEx Ship Manager - Print Your Label(s)

11/1/21, 6:00 PM

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 04NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA (CANTON) LABORATORY**

4101 SHUFFEL STREET NW

NORTH CANTON OH 44720
(410) 381-4333 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56DJ3/14BA/FE4A

FedEx Express

FRI - 05 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7750 8732 5571**

XH PHDA

44720
OH-US **CLE**

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/4/21	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/4/21	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/4/21	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A56A	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56B	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56C	11/4/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	

180-129572 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:				11-5-21 1010	EGI Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.6

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-129572 Field Sheet

Tracking # : 7750 8734 5621

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: WS1 Corr. Factor: (+ / -) N/A °C

Ice ~ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: ~

Temp Observed: 5.6 °C Corrected: 5.6 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 11-5-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11-5-21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 11-5-21



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 04NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

560J3/14BA/FE4A

FedEx Express

FRI - 05 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7750 8734 5621

XH BLUA

95605
CA-US SMF

FedEx Ship Manager - Print Your Label(s)

11/1/21, 6:02 PM

362 1 F
11:30 5621
11.05

FZ

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129572-2

Login Number: 129572
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129572-2

Login Number: 129572
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/05/21 07:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129572-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/15/2021 9:01:43 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129572-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129572-1

Receipt
The samples were received on 11/5/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.4º C, 3.4º C and 5.6º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following sample: SSHS-IRM5A2-A1-A55B (180-129572-2). The sample was re-analyzed and again had the internal standard below criteria. Results of one analysis were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-512433 was below criteria for the following analyte: Methyl tert-butyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A1-A55C (180-129572-3) and SSHS-IRM5A2-A1-A56C (180-129572-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129572-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129572-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129572-1	SSHS-IRM5A2-A1-A55A	Solid	11/04/21 15:30	11/05/21 10:00
180-129572-2	SSHS-IRM5A2-A1-A55B	Solid	11/04/21 15:30	11/05/21 10:00
180-129572-3	SSHS-IRM5A2-A1-A55C	Solid	11/04/21 15:15	11/05/21 10:00
180-129572-4	SSHS-IRM5A2-A1-A56A	Solid	11/04/21 16:10	11/05/21 10:00
180-129572-5	SSHS-IRM5A2-A1-A56B	Solid	11/04/21 16:10	11/05/21 10:00
180-129572-6	SSHS-IRM5A2-A1-A56C	Solid	11/04/21 16:00	11/05/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total andor Amenable	SW846	TAL CAN
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL CAN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129572-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A55A — Lab Sample ID: 180-129572-1
Date Collected: 11/04/21 15:30 — **Matrix: Solid**
Date Received: 11/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:44	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A55A — Lab Sample ID: 180-129572-1
Date Collected: 11/04/21 15:30 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 86.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.391 g	5 mL	512176	11/05/21 12:00	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512433	11/11/21 11:04	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A55B — Lab Sample ID: 180-129572-2
Date Collected: 11/04/21 15:30 — **Matrix: Solid**
Date Received: 11/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:44	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A55B — Lab Sample ID: 180-129572-2
Date Collected: 11/04/21 15:30 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 80.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.122 g	5 mL	512176	11/05/21 12:00	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512433	11/11/21 11:26	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A55C — Lab Sample ID: 180-129572-3
Date Collected: 11/04/21 15:15 — **Matrix: Solid**
Date Received: 11/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:44	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A55C — Lab Sample ID: 180-129572-3
Date Collected: 11/04/21 15:15 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	378309	11/09/21 18:40	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	378369	11/10/21 20:10	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

Client Sample ID: SSHS-IRM5A2-A1-A55C
Lab Sample ID: 180-129572-3
Date Collected: 11/04/21 15:15
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 14:56	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.26 g	100 mL	512151	11/09/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			512333	11/10/21 13:57	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.56 g	100 mL	512154	11/09/21 14:30	DEE	TAL CAN
Total/NA	Analysis	7471B		1			512334	11/10/21 12:20	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.22 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 18:02	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.54 g	100 mL	378437	11/10/21 12:34	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378859	11/13/21 15:36	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A56A
Lab Sample ID: 180-129572-4
Date Collected: 11/04/21 16:10
Matrix: Solid
Date Received: 11/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:44	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A56A
Lab Sample ID: 180-129572-4
Date Collected: 11/04/21 16:10
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.16 g	5 mL	512176	11/05/21 12:00	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512433	11/11/21 10:19	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A56B
Lab Sample ID: 180-129572-5
Date Collected: 11/04/21 16:10
Matrix: Solid
Date Received: 11/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:44	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

Client Sample ID: SSHS-IRM5A2-A1-A56B

Lab Sample ID: 180-129572-5
Date Collected: 11/04/21 16:10
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.517 g	5 mL	512176	11/05/21 12:00	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512433	11/11/21 10:41	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A56C

Lab Sample ID: 180-129572-6
Date Collected: 11/04/21 16:00
Matrix: Solid
Date Received: 11/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:44	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A56C

Lab Sample ID: 180-129572-6
Date Collected: 11/04/21 16:00
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	378309	11/09/21 18:40	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	378369	11/10/21 20:33	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377879	11/09/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378325	11/10/21 06:13	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378326	11/10/21 06:14	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378347	11/10/21 15:15	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.25 g	100 mL	512151	11/09/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			512333	11/10/21 14:01	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.55 g	100 mL	512154	11/09/21 14:30	DEE	TAL CAN
Total/NA	Analysis	7471B		1			512334	11/10/21 12:22	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.28 g	6 mL	512165	11/09/21 14:45	AGC	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	512184	11/09/21 18:04	AGC	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.46 g	100 mL	378437	11/10/21 12:34	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378859	11/13/21 15:38	PMH	TAL PIT
	Instrument ID: GEN10S									

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

Analyst References:

Lab: TAL CAN

Batch Type: Prep

AGC = Alyssa Crowley
DEE = Dale Elshaw
LAM = Louis Mancine

Batch Type: Analysis

AGC = Alyssa Crowley
KMS = Kayla Shellenbarger
MRL = Matthew Loeb
RKT = Roger Toth
TJL2 = Todd Lata

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CBY = Charles Yushinski
CSC = Chayce Cockroft
PMH = Paloma Hoelzle

Batch Type: Analysis

JMO = John Oravec
PMH = Paloma Hoelzle
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A55A — Lab Sample ID: 180-129572-1

Date Collected: 11/04/21 15:30 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 86.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.019	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Benzene	ND		0.0045	0.00063	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
2-Butanone (MEK)	ND		0.018	0.0032	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Carbon tetrachloride	ND		0.0045	0.0029	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Chlorobenzene	ND		0.0045	0.00083	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Chloroform	ND		0.0045	0.00071	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
cis-1,2-Dichloroethene	ND		0.0045	0.0013	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,2-Dichlorobenzene	ND		0.0045	0.0010	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,3-Dichlorobenzene	ND		0.0045	0.00074	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,4-Dichlorobenzene	ND		0.0045	0.00080	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,1-Dichloroethane	ND		0.0045	0.00063	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,2-Dichloroethane	ND		0.0045	0.00070	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,1-Dichloroethene	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,4-Dioxane	ND		0.23	0.066	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Ethylbenzene	ND		0.0045	0.00095	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Methylene Chloride	ND		0.023	0.011	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Methyl tert-butyl ether	ND		0.0045	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
n-Butylbenzene	ND		0.0045	0.0031	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
N-Propylbenzene	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
sec-Butylbenzene	ND		0.0045	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
tert-Butylbenzene	ND		0.0045	0.0023	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Tetrachloroethene	ND		0.0045	0.00066	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Toluene	ND		0.0045	0.00070	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
trans-1,2-Dichloroethene	ND		0.0045	0.0013	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,1,1-Trichloroethane	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Trichloroethene	ND		0.0045	0.00057	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,2,4-Trimethylbenzene	ND		0.0045	0.0021	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
1,3,5-Trimethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Vinyl chloride	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1
Xylenes, Total	ND		0.0091	0.0014	mg/Kg	☼	11/05/21 12:00	11/11/21 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*41 - 143*	*11/05/21 12:00*	*11/11/21 11:04*	*1*
Dibromofluoromethane (Surr)	*87*		*41 - 138*	*11/05/21 12:00*	*11/11/21 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*58 - 125*	*11/05/21 12:00*	*11/11/21 11:04*	*1*
Toluene-d8 (Surr)	*86*		*56 - 125*	*11/05/21 12:00*	*11/11/21 11:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**86.4**		0.1	0.1	%			11/08/21 09:44	1
Percent Moisture	**13.6**		0.1	0.1	%			11/08/21 09:44	1

Client Sample ID: SSHS-IRM5A2-A1-A55B — Lab Sample ID: 180-129572-2

Date Collected: 11/04/21 15:30 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 80.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Benzene	ND		0.0050	0.00070	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1

Client Sample ID: SSHS-IRM5A2-A1-A55B
Lab Sample ID: 180-129572-2
Date Collected: 11/04/21 15:30 **Matrix: Solid**
Date Received: 11/05/21 10:00 **Percent Solids: 80.9**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Chloroform	ND		0.0050	0.00080	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,2-Dichlorobenzene	ND	*3	0.0050	0.0011	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,3-Dichlorobenzene	ND	*3	0.0050	0.00082	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,4-Dichlorobenzene	ND	*3	0.0050	0.00089	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,1-Dichloroethane	ND		0.0050	0.00070	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,2-Dichloroethane	ND		0.0050	0.00078	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,4-Dioxane	ND		0.25	0.073	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Ethylbenzene	ND		0.0050	0.0011	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Methylene Chloride	ND		0.025	0.012	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
n-Butylbenzene	ND	*3	0.0050	0.0035	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
N-Propylbenzene	ND	*3	0.0050	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
sec-Butylbenzene	ND	*3	0.0050	0.0019	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
tert-Butylbenzene	ND	*3	0.0050	0.0026	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Tetrachloroethene	ND		0.0050	0.00074	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Toluene	ND		0.0050	0.00078	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Trichloroethene	ND		0.0050	0.00064	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,2,4-Trimethylbenzene	ND	*3	0.0050	0.0023	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
1,3,5-Trimethylbenzene	ND	*3	0.0050	0.0019	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*		*41 - 143*	*11/05/21 12:00*	*11/11/21 11:26*	*1*
Dibromofluoromethane (Surr)	*98*		*41 - 138*	*11/05/21 12:00*	*11/11/21 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*58 - 125*	*11/05/21 12:00*	*11/11/21 11:26*	*1*
Toluene-d8 (Surr)	*99*		*56 - 125*	*11/05/21 12:00*	*11/11/21 11:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**80.9**		0.1	0.1	%			11/08/21 09:44	1
Percent Moisture	**19.1**		0.1	0.1	%			11/08/21 09:44	1

Client Sample ID: SSHS-IRM5A2-A1-A55C
Lab Sample ID: 180-129572-3
Date Collected: 11/04/21 15:15 **Matrix: Solid**
Date Received: 11/05/21 10:00 **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.053**		0.039	0.011	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Acenaphthylene	**0.84**		0.039	0.0086	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Anthracene	**0.65**		0.039	0.010	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Benzo[a]anthracene	**2.1**		0.039	0.018	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5

Client Sample ID: SSHS-IRM5A2-A1-A55C **Lab Sample ID: 180-129572-3**
Date Collected: 11/04/21 15:15 **Matrix: Solid**
Date Received: 11/05/21 10:00 **Percent Solids: 85.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**1.9**		0.039	0.017	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Benzo[b]fluoranthene	**2.8**		0.039	0.0096	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Benzo[g,h,i]perylene	**1.9**		0.039	0.0085	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Benzo[k]fluoranthene	**0.89**		0.039	0.012	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Chrysene	**2.3**		0.039	0.022	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Dibenz(a,h)anthracene	**0.51**		0.039	0.025	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Dibenzofuran	ND		0.19	0.072	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
2,4-Dinitrotoluene	ND		0.19	0.12	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
1,4-Dioxane	ND		0.39	0.061	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Fluoranthene	**2.7**		0.039	0.010	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Fluorene	**0.091**		0.039	0.0077	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Hexachloroethane	ND		0.19	0.069	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Indeno[1,2,3-cd]pyrene	**1.7**		0.039	0.019	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
2-Methylphenol	ND		0.19	0.056	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Methylphenol, 3 & 4	ND		0.19	0.057	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Naphthalene	**0.14**		0.039	0.0076	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Nitrobenzene	ND		0.39	0.072	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Pentachlorophenol	ND		1.0	0.31	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Phenanthrene	**0.93**		0.039	0.011	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Phenol	ND		0.19	0.059	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Pyrene	**3.7**		0.039	0.0093	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
Pyridine	ND		0.39	0.11	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
2,4,5-Trichlorophenol	ND		0.19	0.068	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5
2,4,6-Trichlorophenol	ND		0.19	0.065	mg/Kg	☼	11/09/21 18:40	11/10/21 20:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*11/09/21 18:40*	*11/10/21 20:10*	*5*
2-Fluorophenol (Surr)	*83*		*32 - 105*	*11/09/21 18:40*	*11/10/21 20:10*	*5*
Nitrobenzene-d5 (Surr)	*81*		*34 - 109*	*11/09/21 18:40*	*11/10/21 20:10*	*5*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/09/21 18:40*	*11/10/21 20:10*	*5*
Terphenyl-d14 (Surr)	*96*		*20 - 117*	*11/09/21 18:40*	*11/10/21 20:10*	*5*
2,4,6-Tribromophenol (Surr)	*80*		*20 - 119*	*11/09/21 18:40*	*11/10/21 20:10*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1248	**0.22**		0.019	0.0046	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1254	**0.12**		0.019	0.0058	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/09/21 08:45	11/10/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*11/09/21 08:45*	*11/10/21 14:56*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*11/09/21 08:45*	*11/10/21 14:56*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A55C — Lab Sample ID: 180-129572-3

Date Collected: 11/04/21 15:15 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 85.2**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*11/09/21 08:45*	*11/10/21 14:56*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/09/21 08:45*	*11/10/21 14:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.2**		1.4	0.29	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Barium	**93**		19	0.34	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Beryllium	**0.48**		0.47	0.050	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Cadmium	**0.18**	**J**	0.47	0.045	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Chromium	**14**		0.93	0.32	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Copper	**25**		2.3	0.22	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Lead	**39**		0.93	0.26	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Manganese	**510**		1.4	1.0	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Nickel	**31**		3.7	0.22	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Selenium	ND		1.9	0.44	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Silver	ND		0.93	0.075	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1
Zinc	**81**		4.7	1.3	mg/Kg	☼	11/09/21 14:00	11/10/21 13:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J**	0.13	0.023	mg/Kg	☼	11/09/21 14:30	11/10/21 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.98**		0.67	0.25	mg/Kg	☼	11/09/21 14:45	11/09/21 18:02	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/10/21 12:34	11/13/21 15:36	1
Percent Solids	**85.2**		0.1	0.1	%			11/08/21 09:44	1
Percent Moisture	**14.8**		0.1	0.1	%			11/08/21 09:44	1

Client Sample ID: SSHS-IRM5A2-A1-A56A — Lab Sample ID: 180-129572-4

Date Collected: 11/04/21 16:10 — **Matrix: Solid**
Date Received: 11/05/21 10:00 — **Percent Solids: 84.8**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.020	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Benzene	ND		0.0048	0.00067	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
2-Butanone (MEK)	ND		0.019	0.0034	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Carbon tetrachloride	ND		0.0048	0.0031	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Chlorobenzene	ND		0.0048	0.00088	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Chloroform	ND		0.0048	0.00075	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,2-Dichlorobenzene	ND		0.0048	0.0011	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,3-Dichlorobenzene	ND		0.0048	0.00078	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,4-Dichlorobenzene	ND		0.0048	0.00084	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,1-Dichloroethane	ND		0.0048	0.00066	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,2-Dichloroethane	ND		0.0048	0.00074	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,1-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,4-Dioxane	ND		0.24	0.069	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Ethylbenzene	ND		0.0048	0.0010	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1

Client Sample ID: SSHS-IRM5A2-A1-A56A

Lab Sample ID: 180-129572-4

Date Collected: 11/04/21 16:10
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 84.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.024	0.011	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Methyl tert-butyl ether	ND		0.0048	0.0019	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
n-Butylbenzene	ND		0.0048	0.0033	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
sec-Butylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
tert-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Tetrachloroethene	ND		0.0048	0.00070	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Toluene	ND		0.0048	0.00074	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
trans-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,1,1-Trichloroethane	ND		0.0048	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Trichloroethene	ND		0.0048	0.00061	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0022	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Vinyl chloride	ND		0.0048	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1
Xylenes, Total	ND		0.0096	0.0015	mg/Kg	☼	11/05/21 12:00	11/11/21 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*41 - 143*	*11/05/21 12:00*	*11/11/21 10:19*	*1*
Dibromofluoromethane (Surr)	*87*		*41 - 138*	*11/05/21 12:00*	*11/11/21 10:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*	*11/05/21 12:00*	*11/11/21 10:19*	*1*
Toluene-d8 (Surr)	*88*		*56 - 125*	*11/05/21 12:00*	*11/11/21 10:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**84.8**		0.1	0.1	%			11/08/21 09:44	1
Percent Moisture	**15.2**		0.1	0.1	%			11/08/21 09:44	1

Client Sample ID: SSHS-IRM5A2-A1-A56B

Lab Sample ID: 180-129572-5

Date Collected: 11/04/21 16:10
Matrix: Solid
Date Received: 11/05/21 10:00
Percent Solids: 85.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.019	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Benzene	ND		0.0045	0.00062	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
2-Butanone (MEK)	ND		0.018	0.0032	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Carbon tetrachloride	ND		0.0045	0.0029	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Chlorobenzene	ND		0.0045	0.00082	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Chloroform	ND		0.0045	0.00070	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
cis-1,2-Dichloroethene	ND		0.0045	0.0013	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,2-Dichlorobenzene	ND		0.0045	0.00099	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,3-Dichlorobenzene	ND		0.0045	0.00073	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,4-Dichlorobenzene	ND		0.0045	0.00079	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,1-Dichloroethane	ND		0.0045	0.00062	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,2-Dichloroethane	ND		0.0045	0.00069	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,1-Dichloroethene	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,4-Dioxane	ND		0.22	0.065	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Ethylbenzene	ND		0.0045	0.00094	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Methylene Chloride	ND		0.022	0.011	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Methyl tert-butyl ether	ND		0.0045	0.0018	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1

Client Sample ID: SSHS-IRM5A2-A1-A56B
Lab Sample ID: 180-129572-5
Date Collected: 11/04/21 16:10 **Matrix: Solid**
Date Received: 11/05/21 10:00 **Percent Solids: 85.9**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0045	0.0031	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
N-Propylbenzene	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
sec-Butylbenzene	ND		0.0045	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
tert-Butylbenzene	ND		0.0045	0.0023	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Tetrachloroethene	ND		0.0045	0.00065	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Toluene	ND		0.0045	0.00069	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
trans-1,2-Dichloroethene	ND		0.0045	0.0013	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,1,1-Trichloroethane	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Trichloroethene	ND		0.0045	0.00057	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,2,4-Trimethylbenzene	ND		0.0045	0.0021	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
1,3,5-Trimethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Vinyl chloride	ND		0.0045	0.0016	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1
Xylenes, Total	ND		0.0089	0.0014	mg/Kg	☼	11/05/21 12:00	11/11/21 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*41 - 143*	*11/05/21 12:00*	*11/11/21 10:41*	*1*
Dibromofluoromethane (Surr)	*88*		*41 - 138*	*11/05/21 12:00*	*11/11/21 10:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*	*11/05/21 12:00*	*11/11/21 10:41*	*1*
Toluene-d8 (Surr)	*91*		*56 - 125*	*11/05/21 12:00*	*11/11/21 10:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85.9**		0.1	0.1	%			11/08/21 09:44	1
Percent Moisture	**14.1**		0.1	0.1	%			11/08/21 09:44	1

Client Sample ID: SSHS-IRM5A2-A1-A56C
Lab Sample ID: 180-129572-6
Date Collected: 11/04/21 16:00 **Matrix: Solid**
Date Received: 11/05/21 10:00 **Percent Solids: 85.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.060**		0.039	0.011	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Acenaphthylene	**0.95**		0.039	0.0085	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Anthracene	**0.73**		0.039	0.010	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Benzo[a]anthracene	**2.4**		0.039	0.018	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Benzo[a]pyrene	**2.0**		0.039	0.017	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Benzo[b]fluoranthene	**3.1**		0.039	0.0096	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Benzo[g,h,i]perylene	**2.1**		0.039	0.0084	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Benzo[k]fluoranthene	**1.0**		0.039	0.012	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Chrysene	**2.6**		0.039	0.022	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Dibenz(a,h)anthracene	**0.56**		0.039	0.025	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Dibenzofuran	ND		0.19	0.072	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
2,4-Dinitrotoluene	ND		0.19	0.12	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
1,4-Dioxane	ND		0.39	0.061	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Fluoranthene	**2.9**		0.039	0.010	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Fluorene	**0.10**		0.039	0.0076	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Hexachloroethane	ND		0.19	0.069	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Indeno[1,2,3-cd]pyrene	**1.9**		0.039	0.019	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5

Client Sample ID: SSHS-IRM5A2-A1-A56C
Date Collected: 11/04/21 16:00
Date Received: 11/05/21 10:00

Lab Sample ID: 180-129572-6
Matrix: Solid
Percent Solids: 85.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.19	0.056	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Methylphenol, 3 & 4	ND		0.19	0.057	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Naphthalene	**0.14**		0.039	0.0076	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Nitrobenzene	ND		0.39	0.071	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Pentachlorophenol	ND		0.99	0.31	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Phenanthrene	**0.93**		0.039	0.010	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Phenol	ND		0.19	0.059	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Pyrene	**4.1**		0.039	0.0092	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
Pyridine	ND		0.39	0.10	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
2,4,5-Trichlorophenol	ND		0.19	0.068	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5
2,4,6-Trichlorophenol	ND		0.19	0.065	mg/Kg	☼	11/09/21 18:40	11/10/21 20:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*11/09/21 18:40*	*11/10/21 20:33*	*5*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*11/09/21 18:40*	*11/10/21 20:33*	*5*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*11/09/21 18:40*	*11/10/21 20:33*	*5*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/09/21 18:40*	*11/10/21 20:33*	*5*
Terphenyl-d14 (Surr)	*83*		*20 - 117*	*11/09/21 18:40*	*11/10/21 20:33*	*5*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*	*11/09/21 18:40*	*11/10/21 20:33*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1248	**0.19**		0.019	0.0046	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1254	**0.14**		0.019	0.0058	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/09/21 08:45	11/10/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/09/21 08:45*	*11/10/21 15:15*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*11/09/21 08:45*	*11/10/21 15:15*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/09/21 08:45*	*11/10/21 15:15*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/09/21 08:45*	*11/10/21 15:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.2**		1.4	0.30	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Barium	**80**		19	0.34	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Beryllium	**0.43**	**J**	0.47	0.051	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Cadmium	**0.22**	**J**	0.47	0.045	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Chromium	**12**		0.94	0.32	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Copper	**21**		2.3	0.22	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Lead	**32**		0.94	0.26	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Manganese	**400**		1.4	1.0	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Nickel	**18**		3.8	0.22	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Selenium	ND		1.9	0.44	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

Client Sample ID: SSHS-IRM5A2-A1-A56C
Date Collected: 11/04/21 16:00
Date Received: 11/05/21 10:00

Lab Sample ID: 180-129572-6
Matrix: Solid
Percent Solids: 85.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.94	0.076	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1
Zinc	**70**		4.7	1.3	mg/Kg	☼	11/09/21 14:00	11/10/21 14:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**	**J**	0.13	0.023	mg/Kg	☼	11/09/21 14:30	11/10/21 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.33**	**J**	0.52	0.20	mg/Kg	☼	11/09/21 14:45	11/09/21 18:04	1
Hexavalent chromium	ND		0.48	0.25	mg/Kg	☼	11/10/21 12:34	11/13/21 15:38	1
Percent Solids	**85.1**		0.1	0.1	%			11/08/21 09:44	1
Percent Moisture	**14.9**		0.1	0.1	%			11/08/21 09:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-512176/2-A
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/09/21 16:36	11/11/21 09:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*41 - 143*	*11/09/21 16:36*	*11/11/21 09:58*	*1*
Dibromofluoromethane (Surr)	*83*		*41 - 138*	*11/09/21 16:36*	*11/11/21 09:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*58 - 125*	*11/09/21 16:36*	*11/11/21 09:58*	*1*
Toluene-d8 (Surr)	*84*		*56 - 125*	*11/09/21 16:36*	*11/11/21 09:58*	*1*

Lab Sample ID: LCS 240-512433/6
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.102		mg/Kg		102	58 - 160
Benzene	0.0500	0.0474		mg/Kg		95	76 - 121
2-Butanone (MEK)	0.100	0.0961		mg/Kg		96	63 - 142
Carbon tetrachloride	0.0500	0.0557		mg/Kg		111	64 - 144
Chlorobenzene	0.0500	0.0452		mg/Kg		90	80 - 120
Chloroform	0.0500	0.0473		mg/Kg		95	78 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-512433/6
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0500	0.0481		mg/Kg		96	78 - 124
1,2-Dichlorobenzene	0.0500	0.0453		mg/Kg		91	73 - 120
1,3-Dichlorobenzene	0.0500	0.0447		mg/Kg		89	73 - 120
1,4-Dichlorobenzene	0.0500	0.0449		mg/Kg		90	74 - 120
1,1-Dichloroethane	0.0500	0.0486		mg/Kg		97	74 - 121
1,2-Dichloroethane	0.0500	0.0434		mg/Kg		87	71 - 123
1,1-Dichloroethene	0.0500	0.0513		mg/Kg		103	68 - 141
1,4-Dioxane	1.00	0.794		mg/Kg		79	57 - 147
Ethylbenzene	0.0500	0.0483		mg/Kg		97	80 - 120
Methylene Chloride	0.0500	0.0557		mg/Kg		111	71 - 124
Methyl tert-butyl ether	0.0500	0.0431		mg/Kg		86	70 - 130
n-Butylbenzene	0.0500	0.0508		mg/Kg		102	70 - 135
N-Propylbenzene	0.0500	0.0495		mg/Kg		99	78 - 126
sec-Butylbenzene	0.0500	0.0502		mg/Kg		100	77 - 130
tert-Butylbenzene	0.0500	0.0472		mg/Kg		94	79 - 128
Tetrachloroethene	0.0500	0.0498		mg/Kg		100	76 - 127
Toluene	0.0500	0.0462		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0510		mg/Kg		102	76 - 130
1,1,1-Trichloroethane	0.0500	0.0506		mg/Kg		101	74 - 136
Trichloroethene	0.0500	0.0510		mg/Kg		102	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0494		mg/Kg		99	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	79 - 128
Vinyl chloride	0.0200	0.0236		mg/Kg		118	49 - 146
Xylenes, Total	0.100	0.0988		mg/Kg		99	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*41 - 143*
Dibromofluoromethane (Surr)	*91*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*82*		*58 - 125*
Toluene-d8 (Surr)	*92*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-378309/1-A
Matrix: Solid
Analysis Batch: 378369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Anthracene	ND		0.0034	0.00087	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Chrysene	ND		0.0034	0.0019	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		11/09/21 18:40	11/10/21 13:04	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-378309/1-A
Matrix: Solid
Analysis Batch: 378369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Fluorene	ND		0.0034	0.00066	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Phenol	ND		0.017	0.0051	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Pyrene	ND		0.0034	0.00079	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
Pyridine	ND		0.034	0.0090	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		11/09/21 18:40	11/10/21 13:04	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		11/09/21 18:40	11/10/21 13:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*35 - 105*	*11/09/21 18:40*	*11/10/21 13:04*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*11/09/21 18:40*	*11/10/21 13:04*	*1*
Nitrobenzene-d5 (Surr)	*63*		*34 - 109*	*11/09/21 18:40*	*11/10/21 13:04*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*11/09/21 18:40*	*11/10/21 13:04*	*1*
Terphenyl-d14 (Surr)	*74*		*20 - 117*	*11/09/21 18:40*	*11/10/21 13:04*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*11/09/21 18:40*	*11/10/21 13:04*	*1*

Lab Sample ID: LCS 180-378309/2-A
Matrix: Solid
Analysis Batch: 378369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.223		mg/Kg		67	41 - 100
Acenaphthylene	0.333	0.228		mg/Kg		69	45 - 100
Anthracene	0.333	0.250		mg/Kg		75	47 - 100
Benzo[a]anthracene	0.333	0.263		mg/Kg		79	47 - 100
Benzo[a]pyrene	0.333	0.224		mg/Kg		67	45 - 101
Benzo[b]fluoranthene	0.333	0.227		mg/Kg		68	44 - 100
Benzo[g,h,i]perylene	0.333	0.212		mg/Kg		64	45 - 103
Benzo[k]fluoranthene	0.333	0.217		mg/Kg		65	43 - 100
Chrysene	0.333	0.237		mg/Kg		71	44 - 100
Dibenz(a,h)anthracene	0.333	0.235		mg/Kg		70	46 - 107
Dibenzofuran	0.333	0.225		mg/Kg		68	47 - 100
2,4-Dinitrotoluene	0.333	0.254		mg/Kg		76	48 - 106
1,4-Dioxane	0.333	0.244		mg/Kg		73	10 - 133
Fluoranthene	0.333	0.247		mg/Kg		74	49 - 102
Fluorene	0.333	0.228		mg/Kg		68	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-378309/2-A
Matrix: Solid
Analysis Batch: 378369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	0.333	0.240		mg/Kg		72	45 - 101
Hexachlorobutadiene	0.333	0.201		mg/Kg		60	38 - 110
Hexachloroethane	0.333	0.201		mg/Kg		60	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.233		mg/Kg		70	48 - 104
2-Methylphenol	0.333	0.225		mg/Kg		67	43 - 101
Methylphenol, 3 & 4	0.333	0.225		mg/Kg		68	43 - 104
Naphthalene	0.333	0.213		mg/Kg		64	43 - 100
Nitrobenzene	0.333	0.218		mg/Kg		65	43 - 107
Pentachlorophenol	0.667	0.507		mg/Kg		76	34 - 112
Phenanthrene	0.333	0.243		mg/Kg		73	46 - 100
Phenol	0.333	0.226		mg/Kg		68	42 - 103
Pyrene	0.333	0.261		mg/Kg		78	44 - 102
Pyridine	0.667	0.488		mg/Kg		73	25 - 109
2,4,5-Trichlorophenol	0.333	0.242		mg/Kg		72	47 - 108
2,4,6-Trichlorophenol	0.333	0.236		mg/Kg		71	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*35 - 105*
2-Fluorophenol (Surr)	*68*		*32 - 105*
Nitrobenzene-d5 (Surr)	*63*		*34 - 109*
Phenol-d5 (Surr)	*63*		*34 - 105*
Terphenyl-d14 (Surr)	*78*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377879/1-A
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/09/21 08:45	11/10/21 09:34	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/09/21 08:45	11/10/21 09:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/09/21 08:45*	*11/10/21 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/09/21 08:45*	*11/10/21 09:34*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-377879/2-A
Matrix: Solid
Analysis Batch: 378347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377879

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.04		mg/Kg		78	43 - 136		
PCB-1260			1.33	1.15		mg/Kg		86	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-512151/1-A
Matrix: Solid
Analysis Batch: 512333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Barium	ND		20	0.36	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Beryllium	ND		0.50	0.054	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Cadmium	ND		0.50	0.048	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Chromium	ND		1.0	0.34	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Copper	ND		2.5	0.24	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Lead	ND		1.0	0.28	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Manganese	ND		1.5	1.1	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Nickel	ND		4.0	0.23	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Selenium	ND		2.0	0.47	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Silver	ND		1.0	0.081	mg/Kg		11/09/21 14:00	11/10/21 10:54	1
Zinc	ND		5.0	1.4	mg/Kg		11/09/21 14:00	11/10/21 10:54	1

Lab Sample ID: LCS 240-512151/2-A
Matrix: Solid
Analysis Batch: 512333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			200	195		mg/Kg		98	80 - 120		
Barium			200	194		mg/Kg		97	80 - 120		
Beryllium			100	102		mg/Kg		102	80 - 120		
Cadmium			100	98.2		mg/Kg		98	80 - 120		
Chromium			100	96.7		mg/Kg		97	80 - 120		
Copper			100	85.8		mg/Kg		86	80 - 120		
Lead			100	91.1		mg/Kg		91	80 - 120		
Manganese			100	89.6		mg/Kg		90	80 - 120		
Nickel			100	95.1		mg/Kg		95	80 - 120		
Selenium			200	192		mg/Kg		96	80 - 120		
Silver			10.0	10.1		mg/Kg		101	80 - 120		
Zinc			100	88.1		mg/Kg		88	80 - 120		

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-512154/1-A
Matrix: Solid
Analysis Batch: 512334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		11/09/21 14:30	11/10/21 11:39	1

Lab Sample ID: LCS 240-512154/2-A
Matrix: Solid
Analysis Batch: 512334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.795		mg/Kg		95	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 240-512165/1-A
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.19	mg/Kg		11/09/21 14:45	11/09/21 17:13	1

Lab Sample ID: LCS 240-512165/2-A
Matrix: Solid
Analysis Batch: 512184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.71	5.93		mg/Kg		104	65 - 128

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-378437/1-A
Matrix: Solid
Analysis Batch: 378859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/10/21 12:34	11/13/21 14:59	1

Lab Sample ID: LCSI 180-378437/3-A
Matrix: Solid
Analysis Batch: 378859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378437

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	695		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-378437/2-A
Matrix: Solid
Analysis Batch: 378859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378437

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.9		mg/Kg		89	80 - 120

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

GC/MS VOA

Prep Batch: 512176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-1	SSHS-IRM5A2-A1-A55A	Total/NA	Solid	5035	
180-129572-2	SSHS-IRM5A2-A1-A55B	Total/NA	Solid	5035	
180-129572-4	SSHS-IRM5A2-A1-A56A	Total/NA	Solid	5035	
180-129572-5	SSHS-IRM5A2-A1-A56B	Total/NA	Solid	5035	
MB 240-512176/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 512433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-1	SSHS-IRM5A2-A1-A55A	Total/NA	Solid	8260C	512176
180-129572-2	SSHS-IRM5A2-A1-A55B	Total/NA	Solid	8260C	512176
180-129572-4	SSHS-IRM5A2-A1-A56A	Total/NA	Solid	8260C	512176
180-129572-5	SSHS-IRM5A2-A1-A56B	Total/NA	Solid	8260C	512176
MB 240-512176/2-A	Method Blank	Total/NA	Solid	8260C	512176
LCS 240-512433/6	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 378309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	3541	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	3541	
MB 180-378309/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378309/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 378369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	EPA 8270D LL	378309
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	EPA 8270D LL	378309
MB 180-378309/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	378309
LCS 180-378309/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	378309

GC Semi VOA

Prep Batch: 377879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	3541	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	3541	
MB 180-377879/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377879/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 378325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	3665A	377879
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	3665A	377879

Cleanup Batch: 378326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	3660B	378325
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	3660B	378325

GC Semi VOA

Analysis Batch: 378347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	EPA 8082A	378326
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	EPA 8082A	378326
MB 180-377879/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377879
LCS 180-377879/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377879

Metals

Prep Batch: 512151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	3050B	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	3050B	
MB 240-512151/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-512151/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 512154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	7471B	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	7471B	
MB 240-512154/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-512154/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 512333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	6010C	512151
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	6010C	512151
MB 240-512151/1-A	Method Blank	Total/NA	Solid	6010C	512151
LCS 240-512151/2-A	Lab Control Sample	Total/NA	Solid	6010C	512151

Analysis Batch: 512334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	7471B	512154
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	7471B	512154
MB 240-512154/1-A	Method Blank	Total/NA	Solid	7471B	512154
LCS 240-512154/2-A	Lab Control Sample	Total/NA	Solid	7471B	512154

General Chemistry

Prep Batch: 378437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	3060A	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	3060A	
MB 180-378437/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-378437/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-378437/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 378859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	EPA 7196A	378437
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	EPA 7196A	378437
MB 180-378437/1-A	Method Blank	Total/NA	Solid	EPA 7196A	378437
LCSI 180-378437/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	378437
LCSS 180-378437/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	378437

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129572-1

General Chemistry

Analysis Batch: 511858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-1	SSHS-IRM5A2-A1-A55A	Total/NA	Solid	Moisture	
180-129572-2	SSHS-IRM5A2-A1-A55B	Total/NA	Solid	Moisture	
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	Moisture	
180-129572-4	SSHS-IRM5A2-A1-A56A	Total/NA	Solid	Moisture	
180-129572-5	SSHS-IRM5A2-A1-A56B	Total/NA	Solid	Moisture	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	Moisture	

Prep Batch: 512165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	9012B	
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	9012B	
MB 240-512165/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 240-512165/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 512184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129572-3	SSHS-IRM5A2-A1-A55C	Total/NA	Solid	9012B	512165
180-129572-6	SSHS-IRM5A2-A1-A56C	Total/NA	Solid	9012B	512165
MB 240-512165/1-A	Method Blank	Total/NA	Solid	9012B	512165
LCS 240-512165/2-A	Lab Control Sample	Total/NA	Solid	9012B	512165

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/4/21	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/4/21	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/4/21	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A56A	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56B	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56C	11/4/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	

180-129572 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than ☐ Return To Client ☐ Disposal By Lab ☐ Archive For

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1					11/5/21 1000	EFA 01
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

33/34

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/4/21	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/4/21	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/4/21	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A56A	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56B	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56C	11/4/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	

180-129572 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed ... ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				N.R.A.	11/5/21 8:30	ETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/15/2021

180 129572 ~~187~~ one 11-5-21

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :**
Canton Facility

Client Geosyntec Consulting, Inc. Site Name

Cooler Received on 11/5/21 Opened on 11/5/21

Cooler unpacked by: Matthew Surma

FedEx: (1st) Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # TA Foam Box Client Cooler Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 3.3 °C Corrected Cooler Temp. 3.4 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were the seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes (No)
   -Were tamper/custody seals intact and uncompromised? (Yes) No NA
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? (Yes) No
9. For each sample, does the COC specify preservatives (Y)N), # of containers (Y)N), and sample type of grab/comp(Y)N)?
10. Were correct bottle(s) used for the test(s) indicated? (Yes) No
11. Sufficient quantity received to perform indicated analyses? (Yes) No
12. Are these work share samples and all listed on the COC? Yes (No)
    If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC? (Yes) No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Yes (No)
17. Was a LL Hg or Me Hg trip blank present? Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

Samples SSHS-IRMA5A2-A1-A55C/5GC only have 1 container, not 5

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen:

FedEx Ship Manager - Print Your Label(s)

11/1/21, 6:00 PM

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
785 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 04NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA (CANTON) LABORATORY**

4101 SHUFFEL STREET NW

NORTH CANTON OH 44720
(410) 381-4333 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56DJ314BAFE4A

FedEx Express

FRI - 05 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7750 8732 5571**

XH PHDA

44720
OH-US **CLE**

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/4/21	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/4/21	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/4/21	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A56A	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56B	11/4/21	1610	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A56C	11/4/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	

180-129572 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					11-5-21 1010	EGI Sac
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.6

Ver: 01/16/2019

11/15/2021

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-129572 Field Sheet

Tracking # : 7750 8734 5621

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: WS1 Corr. Factor: (+ / -) N/A °C

Ice ~ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 5.6 °C Corrected: 5.6 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 11-5-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11-5-21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 11-5-21



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 04NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56D3/14BAFE4A

FedEx Express

FRI - 05 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7750 8734 5621

XH BLUA

95605
CA-US SMF

FedEx Ship Manager - Print Your Label(s)

11/1/21, 6:02 PM

362 1 F
11:30 5621
11.05

FZ

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129572-1

Login Number: 129572
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129639-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/16/2021 10:39:25 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129639-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129639-1

Comments
Notation was made to the coc regarding the addition of the A, B, or C suffix to the field duplicate ID and a correction of IDs for sample SSHS-IRM5A2-A1-A55A, B, and C to be …A57A, B, and C.

Receipt
The samples were received on 11/6/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 4.4º C, 5.2º C and 5.5º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following samples: SSHS-IRM5A2-A1-A57A (180-129639-1) and SSHS-IRM5A2-A1-DUP6B (180-129639-5). The samples were re-analyzed and again had the internal standard below criteria. Results of one analysis were reported for each sample.

Method 8260C: The laboratory control sample (LCS) for batch 240-512236 recovered above the control limits for the following analyte: Methylene Chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-512433 was below criteria for the following analyte: Methyl tert-butyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A1-A57C (180-129639-3) and SSHS-IRM5A2-A1-DUP6C (180-129639-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-377999 (CCVIS 180-377999/47) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129639-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129639-1	SSHS-IRM5A2-A1-A57A	Solid	11/05/21 14:45	11/06/21 09:30
180-129639-2	SSHS-IRM5A2-A1-A57B	Solid	11/05/21 14:45	11/06/21 09:30
180-129639-3	SSHS-IRM5A2-A1-A57C	Solid	11/05/21 14:30	11/06/21 09:30
180-129639-4	SSHS-IRM5A2-A1-DUP6A	Solid	11/05/21 00:00	11/06/21 09:30
180-129639-5	SSHS-IRM5A2-A1-DUP6B	Solid	11/05/21 00:00	11/06/21 09:30
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Solid	11/05/21 00:00	11/06/21 09:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total andor Amenable	SW846	TAL CAN
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL CAN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Client Sample ID: SSHS-IRM5A2-A1-A57A
Lab Sample ID: 180-129639-1
Date Collected: 11/05/21 14:45
Matrix: Solid
Date Received: 11/06/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A57A
Lab Sample ID: 180-129639-1
Date Collected: 11/05/21 14:45
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.559 g	5 mL	512176	11/06/21 11:35	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512236	11/10/21 15:29	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A57B
Lab Sample ID: 180-129639-2
Date Collected: 11/05/21 14:45
Matrix: Solid
Date Received: 11/06/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A57B
Lab Sample ID: 180-129639-2
Date Collected: 11/05/21 14:45
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.938 g	5 mL	512176	11/06/21 11:35	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512433	11/11/21 13:16	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A57C
Lab Sample ID: 180-129639-3
Date Collected: 11/05/21 14:30
Matrix: Solid
Date Received: 11/06/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A57C
Lab Sample ID: 180-129639-3
Date Collected: 11/05/21 14:30
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		4	1 mL	1 mL	378178	11/09/21 18:45	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Client Sample ID: SSHS-IRM5A2-A1-A57C

Lab Sample ID: 180-129639-3
Date Collected: 11/05/21 14:30
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	377980	11/08/21 03:47	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378044	11/08/21 09:12	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378045	11/08/21 09:13	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377999	11/09/21 00:01	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.25 g	100 mL	511930	11/08/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			512168	11/09/21 15:08	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.54 g	100 mL	511933	11/08/21 15:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			512158	11/09/21 12:09	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.26 g	6 mL	513017	11/15/21 13:07	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513063	11/15/21 15:58	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.49 g	100 mL	378437	11/10/21 12:34	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378859	11/13/21 15:39	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-DUP6A

Lab Sample ID: 180-129639-4
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP6A

Lab Sample ID: 180-129639-4
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.742 g	5 mL	512176	11/06/21 11:35	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512236	11/10/21 16:13	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-DUP6B

Lab Sample ID: 180-129639-5
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Client Sample ID: SSHS-IRM5A2-A1-DUP6B

Lab Sample ID: 180-129639-5
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.489 g	5 mL	512176	11/06/21 11:35	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512236	11/10/21 16:35	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-DUP6C

Lab Sample ID: 180-129639-6
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			511858	11/08/21 09:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-DUP6C

Lab Sample ID: 180-129639-6
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	378135	11/08/21 20:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	378178	11/09/21 19:07	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	377980	11/08/21 03:47	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378044	11/08/21 09:12	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378045	11/08/21 09:13	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			377999	11/09/21 00:19	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.25 g	100 mL	511930	11/08/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			512168	11/09/21 15:13	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.58 g	100 mL	511933	11/08/21 15:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			512158	11/09/21 12:16	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.25 g	6 mL	513017	11/15/21 13:07	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513063	11/15/21 16:00	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.48 g	100 mL	378437	11/10/21 12:34	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	378859	11/13/21 15:41	PMH	TAL PIT
	Instrument ID: GEN10S									

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Analyst References:

Lab: TAL CAN

Batch Type: Prep

BLW = Bruce Woodward
DEE = Dale Elshaw
LAM = Louis Mancine

Batch Type: Analysis

BLW = Bruce Woodward
KMS = Kayla Shellenbarger
MRL = Matthew Loeb
RKT = Roger Toth
TJL2 = Todd Lata

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CSC = Chayce Cockroft
PMH = Paloma Hoelzle

Batch Type: Analysis

JMO = John Oravec
PMH = Paloma Hoelzle
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A57A
Lab Sample ID: 180-129639-1
Date Collected: 11/05/21 14:45 **Matrix: Solid**
Date Received: 11/06/21 09:30 **Percent Solids: 87.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.022	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Benzene	ND		0.0051	0.00072	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
2-Butanone (MEK)	ND		0.021	0.0037	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Carbon tetrachloride	ND		0.0051	0.0033	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Chlorobenzene	ND		0.0051	0.00094	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Chloroform	ND		0.0051	0.00081	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,2-Dichlorobenzene	ND	*3	0.0051	0.0011	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,3-Dichlorobenzene	ND	*3	0.0051	0.00084	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,4-Dichlorobenzene	ND	*3	0.0051	0.00091	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,1-Dichloroethane	ND		0.0051	0.00071	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,2-Dichloroethane	ND		0.0051	0.00079	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,1-Dichloroethene	ND		0.0051	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,4-Dioxane	ND		0.26	0.074	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Ethylbenzene	ND		0.0051	0.0011	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Methylene Chloride	ND	*+	0.026	0.012	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Methyl tert-butyl ether	ND		0.0051	0.0020	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
n-Butylbenzene	ND	*3	0.0051	0.0036	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
N-Propylbenzene	ND	*3	0.0051	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
sec-Butylbenzene	ND	*3	0.0051	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
tert-Butylbenzene	ND	*3	0.0051	0.0026	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Tetrachloroethene	ND		0.0051	0.00075	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Toluene	ND		0.0051	0.00080	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
trans-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,1,1-Trichloroethane	ND		0.0051	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Trichloroethene	ND		0.0051	0.00065	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,2,4-Trimethylbenzene	ND	*3	0.0051	0.0024	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
1,3,5-Trimethylbenzene	ND	*3	0.0051	0.0020	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Vinyl chloride	ND		0.0051	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg	☼	11/06/21 11:35	11/10/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*41 - 143*	*11/06/21 11:35*	*11/10/21 15:29*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/06/21 11:35*	*11/10/21 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/06/21 11:35*	*11/10/21 15:29*	*1*
Toluene-d8 (Surr)	*90*		*56 - 125*	*11/06/21 11:35*	*11/10/21 15:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.4**		0.1	0.1	%			11/08/21 09:15	1
Percent Moisture	**12.6**		0.1	0.1	%			11/08/21 09:15	1

Client Sample ID: SSHS-IRM5A2-A1-A57B
Lab Sample ID: 180-129639-2
Date Collected: 11/05/21 14:45 **Matrix: Solid**
Date Received: 11/06/21 09:30 **Percent Solids: 80.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.022	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Benzene	ND		0.0052	0.00073	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1

Client Sample ID: SSHS-IRM5A2-A1-A57B
Lab Sample ID: 180-129639-2
Date Collected: 11/05/21 14:45 **Matrix: Solid**
Date Received: 11/06/21 09:30 **Percent Solids: 80.9**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.021	0.0037	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Carbon tetrachloride	ND		0.0052	0.0034	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Chlorobenzene	ND		0.0052	0.00095	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Chloroform	ND		0.0052	0.00082	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
cis-1,2-Dichloroethene	ND		0.0052	0.0015	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,2-Dichlorobenzene	ND		0.0052	0.0012	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,3-Dichlorobenzene	ND		0.0052	0.00085	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,4-Dichlorobenzene	ND		0.0052	0.00092	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,1-Dichloroethane	ND		0.0052	0.00072	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,2-Dichloroethane	ND		0.0052	0.00080	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,1-Dichloroethene	ND		0.0052	0.0019	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,4-Dioxane	ND		0.26	0.075	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Ethylbenzene	ND		0.0052	0.0011	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Methylene Chloride	ND		0.026	0.012	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Methyl tert-butyl ether	ND		0.0052	0.0021	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
n-Butylbenzene	ND		0.0052	0.0036	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
sec-Butylbenzene	ND		0.0052	0.0020	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
tert-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Tetrachloroethene	ND		0.0052	0.00076	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Toluene	ND		0.0052	0.00080	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
trans-1,2-Dichloroethene	ND		0.0052	0.0015	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,1,1-Trichloroethane	ND		0.0052	0.0018	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Trichloroethene	ND		0.0052	0.00066	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0024	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0020	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Vinyl chloride	ND		0.0052	0.0018	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1
Xylenes, Total	ND		0.010	0.0017	mg/Kg	☼	11/06/21 11:35	11/11/21 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*41 - 143*	*11/06/21 11:35*	*11/11/21 13:16*	*1*
Dibromofluoromethane (Surr)	*90*		*41 - 138*	*11/06/21 11:35*	*11/11/21 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*58 - 125*	*11/06/21 11:35*	*11/11/21 13:16*	*1*
Toluene-d8 (Surr)	*87*		*56 - 125*	*11/06/21 11:35*	*11/11/21 13:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**80.9**		0.1	0.1	%			11/08/21 09:15	1
Percent Moisture	**19.1**		0.1	0.1	%			11/08/21 09:15	1

Client Sample ID: SSHS-IRM5A2-A1-A57C
Lab Sample ID: 180-129639-3
Date Collected: 11/05/21 14:30 **Matrix: Solid**
Date Received: 11/06/21 09:30 **Percent Solids: 93.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.039**		0.029	0.0082	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Acenaphthylene	**0.61**		0.029	0.0062	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Anthracene	**0.55**		0.029	0.0074	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Benzo[a]anthracene	**1.3**		0.029	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4

Client: Geosyntec Consultants, Inc.
Job ID: 180-129639-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1-A57C
Lab Sample ID: 180-129639-3
Date Collected: 11/05/21 14:30
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 93.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**1.1**		0.029	0.012	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Benzo[b]fluoranthene	**1.6**		0.029	0.0070	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Benzo[g,h,i]perylene	**1.3**		0.029	0.0061	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Benzo[k]fluoranthene	**0.51**		0.029	0.0085	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Chrysene	**1.4**		0.029	0.016	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Dibenz(a,h)anthracene	**0.35**		0.029	0.018	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Dibenzofuran	ND		0.14	0.052	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
2,4-Dinitrotoluene	ND		0.14	0.085	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
1,4-Dioxane	ND		0.28	0.044	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Fluoranthene	**1.6**		0.029	0.0075	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Fluorene	**0.059**		0.029	0.0056	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Hexachlorobenzene	ND		0.029	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Hexachlorobutadiene	ND		0.029	0.0083	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Hexachloroethane	ND		0.14	0.050	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Indeno[1,2,3-cd]pyrene	**1.1**		0.029	0.014	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
2-Methylphenol	ND		0.14	0.041	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Methylphenol, 3 & 4	ND		0.14	0.042	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Naphthalene	**0.085**		0.029	0.0055	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Nitrobenzene	ND		0.28	0.052	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Pentachlorophenol	ND		0.72	0.23	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Phenanthrene	**0.45**		0.029	0.0076	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Phenol	ND		0.14	0.043	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Pyrene	**2.0**		0.029	0.0067	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
Pyridine	ND		0.29	0.077	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
2,4,5-Trichlorophenol	ND		0.14	0.049	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4
2,4,6-Trichlorophenol	ND		0.14	0.047	mg/Kg	☼	11/08/21 20:03	11/09/21 18:45	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*11/08/21 20:03*	*11/09/21 18:45*	*4*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*11/08/21 20:03*	*11/09/21 18:45*	*4*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*	*11/08/21 20:03*	*11/09/21 18:45*	*4*
Phenol-d5 (Surr)	*56*		*34 - 105*	*11/08/21 20:03*	*11/09/21 18:45*	*4*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*11/08/21 20:03*	*11/09/21 18:45*	*4*
2,4,6-Tribromophenol (Surr)	*55*		*20 - 119*	*11/08/21 20:03*	*11/09/21 18:45*	*4*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1248	**0.23**		0.018	0.0043	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1254	**0.24**		0.018	0.0054	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/08/21 03:47	11/09/21 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*11/08/21 03:47*	*11/09/21 00:01*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/08/21 03:47*	*11/09/21 00:01*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A57C — Lab Sample ID: 180-129639-3

Date Collected: 11/05/21 14:30 — **Matrix: Solid**
Date Received: 11/06/21 09:30 — **Percent Solids: 93.3**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*11/08/21 03:47*	*11/09/21 00:01*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*11/08/21 03:47*	*11/09/21 00:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.6**		1.3	0.27	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Barium	**73**		17	0.31	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Beryllium	**0.36**	**J**	0.43	0.046	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Cadmium	**0.15**	**J**	0.43	0.041	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Chromium	**11**		0.86	0.29	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Copper	**27**		2.1	0.20	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Lead	**31**		0.86	0.24	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Manganese	**310**		1.3	0.95	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Nickel	**17**		3.4	0.20	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Selenium	ND		1.7	0.40	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Silver	ND		0.86	0.069	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1
Zinc	**66**		4.3	1.2	mg/Kg	☼	11/08/21 14:00	11/09/21 15:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J**	0.12	0.021	mg/Kg	☼	11/08/21 15:00	11/09/21 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.52	0.20	mg/Kg	☼	11/15/21 13:07	11/15/21 15:58	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	11/10/21 12:34	11/13/21 15:39	1
Percent Solids	**93.3**		0.1	0.1	%			11/08/21 09:15	1
Percent Moisture	**6.7**		0.1	0.1	%			11/08/21 09:15	1

Client Sample ID: SSHS-IRM5A2-A1-DUP6A — Lab Sample ID: 180-129639-4

Date Collected: 11/05/21 00:00 — **Matrix: Solid**
Date Received: 11/06/21 09:30 — **Percent Solids: 87.2**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Benzene	ND		0.0050	0.00070	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
2-Butanone (MEK)	ND		0.020	0.0035	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Carbon tetrachloride	ND		0.0050	0.0032	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Chlorobenzene	ND		0.0050	0.00091	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Chloroform	ND		0.0050	0.00079	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,3-Dichlorobenzene	ND		0.0050	0.00081	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1

Client Sample ID: SSHS-IRM5A2-A1-DUP6A — Lab Sample ID: 180-129639-4

Date Collected: 11/05/21 00:00 — **Matrix: Solid**
Date Received: 11/06/21 09:30 — **Percent Solids: 87.2**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	*+	0.025	0.012	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Toluene	ND		0.0050	0.00077	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg	☼	11/06/21 11:35	11/10/21 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*41 - 143*	*11/06/21 11:35*	*11/10/21 16:13*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/06/21 11:35*	*11/10/21 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*58 - 125*	*11/06/21 11:35*	*11/10/21 16:13*	*1*
Toluene-d8 (Surr)	*88*		*56 - 125*	*11/06/21 11:35*	*11/10/21 16:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.2**		0.1	0.1	%			11/08/21 09:15	1
Percent Moisture	**12.8**		0.1	0.1	%			11/08/21 09:15	1

Client Sample ID: SSHS-IRM5A2-A1-DUP6B — Lab Sample ID: 180-129639-5

Date Collected: 11/05/21 00:00 — **Matrix: Solid**
Date Received: 11/06/21 09:30 — **Percent Solids: 86.7**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.022	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Benzene	ND		0.0053	0.00073	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
2-Butanone (MEK)	ND		0.021	0.0037	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Carbon tetrachloride	ND		0.0053	0.0034	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Chlorobenzene	ND		0.0053	0.00096	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Chloroform	ND		0.0053	0.00083	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,2-Dichlorobenzene	ND	*3	0.0053	0.0012	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,3-Dichlorobenzene	ND	*3	0.0053	0.00086	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,4-Dichlorobenzene	ND	*3	0.0053	0.00093	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,1-Dichloroethane	ND		0.0053	0.00073	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,2-Dichloroethane	ND		0.0053	0.00081	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,1-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,4-Dioxane	ND		0.26	0.076	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Ethylbenzene	ND		0.0053	0.0011	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Methylene Chloride	ND	*+	0.026	0.013	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Methyl tert-butyl ether	ND		0.0053	0.0021	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1

Client Sample ID: SSHS-IRM5A2-A1-DUP6B — Lab Sample ID: 180-129639-5

Date Collected: 11/05/21 00:00 — **Matrix: Solid**
Date Received: 11/06/21 09:30 — **Percent Solids: 86.7**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	*3	0.0053	0.0036	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
N-Propylbenzene	ND	*3	0.0053	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
sec-Butylbenzene	ND	*3	0.0053	0.0020	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
tert-Butylbenzene	ND	*3	0.0053	0.0027	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Tetrachloroethene	ND		0.0053	0.00077	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Toluene	ND		0.0053	0.00081	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
trans-1,2-Dichloroethene	ND		0.0053	0.0015	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,1,1-Trichloroethane	ND		0.0053	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Trichloroethene	ND		0.0053	0.00066	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,2,4-Trimethylbenzene	ND	*3	0.0053	0.0024	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
1,3,5-Trimethylbenzene	ND	*3	0.0053	0.0020	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Vinyl chloride	ND		0.0053	0.0019	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1
Xylenes, Total	ND		0.011	0.0017	mg/Kg	☼	11/06/21 11:35	11/10/21 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*		*41 - 143*	*11/06/21 11:35*	*11/10/21 16:35*	*1*
Dibromofluoromethane (Surr)	*94*		*41 - 138*	*11/06/21 11:35*	*11/10/21 16:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*58 - 125*	*11/06/21 11:35*	*11/10/21 16:35*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/06/21 11:35*	*11/10/21 16:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**86.7**		0.1	0.1	%			11/08/21 09:15	1
Percent Moisture	**13.3**		0.1	0.1	%			11/08/21 09:15	1

Client Sample ID: SSHS-IRM5A2-A1-DUP6C — Lab Sample ID: 180-129639-6

Date Collected: 11/05/21 00:00 — **Matrix: Solid**
Date Received: 11/06/21 09:30 — **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.057**		0.038	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Acenaphthylene	**0.86**		0.038	0.0082	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Anthracene	**0.75**		0.038	0.0097	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Benzo[a]anthracene	**1.9**		0.038	0.017	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Benzo[a]pyrene	**1.6**		0.038	0.016	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Benzo[b]fluoranthene	**2.5**		0.038	0.0092	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Benzo[g,h,i]perylene	**1.8**		0.038	0.0081	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Benzo[k]fluoranthene	**0.68**		0.038	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Chrysene	**2.0**		0.038	0.021	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Dibenz(a,h)anthracene	**0.49**		0.038	0.024	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Dibenzofuran	ND		0.19	0.069	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
1,4-Dioxane	ND		0.37	0.058	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Fluoranthene	**2.4**		0.038	0.0099	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Fluorene	**0.091**		0.038	0.0074	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Hexachlorobenzene	ND		0.038	0.013	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Hexachlorobutadiene	ND		0.038	0.011	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Hexachloroethane	ND		0.19	0.066	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Indeno[1,2,3-cd]pyrene	**1.6**		0.038	0.019	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5

Client Sample ID: SSHS-IRM5A2-A1-DUP6C
Date Collected: 11/05/21 00:00
Date Received: 11/06/21 09:30

Lab Sample ID: 180-129639-6
Matrix: Solid
Percent Solids: 87.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.19	0.054	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Methylphenol, 3 & 4	ND		0.19	0.055	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Naphthalene	**0.13**		0.038	0.0073	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Nitrobenzene	ND		0.37	0.069	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Pentachlorophenol	ND		0.96	0.30	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Phenanthrene	**0.71**		0.038	0.010	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Phenol	ND		0.19	0.057	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Pyrene	**3.0**		0.038	0.0089	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
Pyridine	ND		0.38	0.10	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
2,4,5-Trichlorophenol	ND		0.19	0.065	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5
2,4,6-Trichlorophenol	ND		0.19	0.062	mg/Kg	☼	11/08/21 20:03	11/09/21 19:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*11/08/21 20:03*	*11/09/21 19:07*	*5*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*11/08/21 20:03*	*11/09/21 19:07*	*5*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*11/08/21 20:03*	*11/09/21 19:07*	*5*
Phenol-d5 (Surr)	*65*		*34 - 105*	*11/08/21 20:03*	*11/09/21 19:07*	*5*
Terphenyl-d14 (Surr)	*78*		*20 - 117*	*11/08/21 20:03*	*11/09/21 19:07*	*5*
2,4,6-Tribromophenol (Surr)	*60*		*20 - 119*	*11/08/21 20:03*	*11/09/21 19:07*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1248	**0.17**		0.019	0.0045	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1254	**0.18**		0.019	0.0056	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/08/21 03:47	11/09/21 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*11/08/21 03:47*	*11/09/21 00:19*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*11/08/21 03:47*	*11/09/21 00:19*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*11/08/21 03:47*	*11/09/21 00:19*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*	*11/08/21 03:47*	*11/09/21 00:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		1.4	0.29	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Barium	**100**		18	0.33	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Beryllium	**0.37**	**J**	0.46	0.050	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Cadmium	**0.18**	**J**	0.46	0.044	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Chromium	**11**		0.92	0.31	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Copper	**25**		2.3	0.22	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Lead	**28**		0.92	0.26	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Manganese	**320**		1.4	1.0	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Nickel	**16**		3.7	0.21	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Selenium	ND		1.8	0.43	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-1

Client Sample ID: SSHS-IRM5A2-A1-DUP6C
Date Collected: 11/05/21 00:00
Date Received: 11/06/21 09:30

Lab Sample ID: 180-129639-6
Matrix: Solid
Percent Solids: 87.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.097	J	0.92	0.074	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1
Zinc	67		4.6	1.3	mg/Kg	☼	11/08/21 14:00	11/09/21 15:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	J	0.12	0.021	mg/Kg	☼	11/08/21 15:00	11/09/21 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.27	J	0.57	0.22	mg/Kg	☼	11/15/21 13:07	11/15/21 16:00	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/10/21 12:34	11/13/21 15:41	1
Percent Solids	87.2		0.1	0.1	%			11/08/21 09:15	1
Percent Moisture	12.8		0.1	0.1	%			11/08/21 09:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-512176/1-A
Matrix: Solid
Analysis Batch: 512236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/10/21 11:27	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/09/21 16:36	11/10/21 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*41 - 143*	*11/09/21 16:36*	*11/10/21 11:27*	*1*
Dibromofluoromethane (Surr)	*75*		*41 - 138*	*11/09/21 16:36*	*11/10/21 11:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*58 - 125*	*11/09/21 16:36*	*11/10/21 11:27*	*1*
Toluene-d8 (Surr)	*92*		*56 - 125*	*11/09/21 16:36*	*11/10/21 11:27*	*1*

Lab Sample ID: MB 240-512176/2-A
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/09/21 16:36	11/11/21 09:58	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-512176/2-A
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/11/21 09:58	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/09/21 16:36	11/11/21 09:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*41 - 143*	*11/09/21 16:36*	*11/11/21 09:58*	*1*
Dibromofluoromethane (Surr)	*83*		*41 - 138*	*11/09/21 16:36*	*11/11/21 09:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*58 - 125*	*11/09/21 16:36*	*11/11/21 09:58*	*1*
Toluene-d8 (Surr)	*84*		*56 - 125*	*11/09/21 16:36*	*11/11/21 09:58*	*1*

Lab Sample ID: LCS 240-512236/6
Matrix: Solid
Analysis Batch: 512236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.117		mg/Kg		117	58 - 160
Benzene	0.0500	0.0496		mg/Kg		99	76 - 121
2-Butanone (MEK)	0.100	0.108		mg/Kg		108	63 - 142
Carbon tetrachloride	0.0500	0.0571		mg/Kg		114	64 - 144
Chlorobenzene	0.0500	0.0483		mg/Kg		97	80 - 120
Chloroform	0.0500	0.0491		mg/Kg		98	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0502		mg/Kg		100	78 - 124
1,2-Dichlorobenzene	0.0500	0.0476		mg/Kg		95	73 - 120
1,3-Dichlorobenzene	0.0500	0.0469		mg/Kg		94	73 - 120
1,4-Dichlorobenzene	0.0500	0.0474		mg/Kg		95	74 - 120
1,1-Dichloroethane	0.0500	0.0497		mg/Kg		99	74 - 121
1,2-Dichloroethane	0.0500	0.0464		mg/Kg		93	71 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-512236/6
Matrix: Solid
Analysis Batch: 512236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0500	0.0531		mg/Kg		106	68 - 141
1,4-Dioxane	1.00	0.942		mg/Kg		94	57 - 147
Ethylbenzene	0.0500	0.0507		mg/Kg		101	80 - 120
Methylene Chloride	0.0500	0.0626	*+	mg/Kg		125	71 - 124
Methyl tert-butyl ether	0.0500	0.0477		mg/Kg		95	70 - 130
n-Butylbenzene	0.0500	0.0519		mg/Kg		104	70 - 135
N-Propylbenzene	0.0500	0.0509		mg/Kg		102	78 - 126
sec-Butylbenzene	0.0500	0.0514		mg/Kg		103	77 - 130
tert-Butylbenzene	0.0500	0.0499		mg/Kg		100	79 - 128
Tetrachloroethene	0.0500	0.0513		mg/Kg		103	76 - 127
Toluene	0.0500	0.0493		mg/Kg		99	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0532		mg/Kg		106	76 - 130
1,1,1-Trichloroethane	0.0500	0.0519		mg/Kg		104	74 - 136
Trichloroethene	0.0500	0.0528		mg/Kg		106	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0509		mg/Kg		102	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0513		mg/Kg		103	79 - 128
Vinyl chloride	0.0200	0.0212		mg/Kg		106	49 - 146
Xylenes, Total	0.100	0.105		mg/Kg		105	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*41 - 143*
Dibromofluoromethane (Surr)	*94*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*85*		*58 - 125*
Toluene-d8 (Surr)	*100*		*56 - 125*

Lab Sample ID: LCS 240-512433/6
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.102		mg/Kg		102	58 - 160
Benzene	0.0500	0.0474		mg/Kg		95	76 - 121
2-Butanone (MEK)	0.100	0.0961		mg/Kg		96	63 - 142
Carbon tetrachloride	0.0500	0.0557		mg/Kg		111	64 - 144
Chlorobenzene	0.0500	0.0452		mg/Kg		90	80 - 120
Chloroform	0.0500	0.0473		mg/Kg		95	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0481		mg/Kg		96	78 - 124
1,2-Dichlorobenzene	0.0500	0.0453		mg/Kg		91	73 - 120
1,3-Dichlorobenzene	0.0500	0.0447		mg/Kg		89	73 - 120
1,4-Dichlorobenzene	0.0500	0.0449		mg/Kg		90	74 - 120
1,1-Dichloroethane	0.0500	0.0486		mg/Kg		97	74 - 121
1,2-Dichloroethane	0.0500	0.0434		mg/Kg		87	71 - 123
1,1-Dichloroethene	0.0500	0.0513		mg/Kg		103	68 - 141
1,4-Dioxane	1.00	0.794		mg/Kg		79	57 - 147
Ethylbenzene	0.0500	0.0483		mg/Kg		97	80 - 120
Methylene Chloride	0.0500	0.0557		mg/Kg		111	71 - 124
Methyl tert-butyl ether	0.0500	0.0431		mg/Kg		86	70 - 130
n-Butylbenzene	0.0500	0.0508		mg/Kg		102	70 - 135

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-512433/6
Matrix: Solid
Analysis Batch: 512433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0500	0.0495		mg/Kg		99	78 - 126
sec-Butylbenzene	0.0500	0.0502		mg/Kg		100	77 - 130
tert-Butylbenzene	0.0500	0.0472		mg/Kg		94	79 - 128
Tetrachloroethene	0.0500	0.0498		mg/Kg		100	76 - 127
Toluene	0.0500	0.0462		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0510		mg/Kg		102	76 - 130
1,1,1-Trichloroethane	0.0500	0.0506		mg/Kg		101	74 - 136
Trichloroethene	0.0500	0.0510		mg/Kg		102	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0494		mg/Kg		99	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	79 - 128
Vinyl chloride	0.0200	0.0236		mg/Kg		118	49 - 146
Xylenes, Total	0.100	0.0988		mg/Kg		99	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*41 - 143*
Dibromofluoromethane (Surr)	*91*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*82*		*58 - 125*
Toluene-d8 (Surr)	*92*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-378135/1-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Anthracene	ND		0.0034	0.00087	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Chrysene	ND		0.0034	0.0019	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Fluorene	ND		0.0034	0.00066	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		11/08/21 20:03	11/09/21 09:46	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-378135/1-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.085	0.027	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Phenol	ND		0.017	0.0051	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Pyrene	ND		0.0034	0.00079	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
Pyridine	ND		0.034	0.0090	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		11/08/21 20:03	11/09/21 09:46	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		11/08/21 20:03	11/09/21 09:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
2-Fluorophenol (Surr)	*79*		*32 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*11/08/21 20:03*	*11/09/21 09:46*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*11/08/21 20:03*	*11/09/21 09:46*	*1*

Lab Sample ID: LCS 180-378135/2-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.239		mg/Kg		72	41 - 100
Acenaphthylene	0.333	0.242		mg/Kg		73	45 - 100
Anthracene	0.333	0.248		mg/Kg		75	47 - 100
Benzo[a]anthracene	0.333	0.265		mg/Kg		79	47 - 100
Benzo[a]pyrene	0.333	0.228		mg/Kg		69	45 - 101
Benzo[b]fluoranthene	0.333	0.236		mg/Kg		71	44 - 100
Benzo[g,h,i]perylene	0.333	0.210		mg/Kg		63	45 - 103
Benzo[k]fluoranthene	0.333	0.207		mg/Kg		62	43 - 100
Chrysene	0.333	0.234		mg/Kg		70	44 - 100
Dibenz(a,h)anthracene	0.333	0.233		mg/Kg		70	46 - 107
Dibenzofuran	0.333	0.234		mg/Kg		70	47 - 100
2,4-Dinitrotoluene	0.333	0.248		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.251		mg/Kg		75	10 - 133
Fluoranthene	0.333	0.249		mg/Kg		75	49 - 102
Fluorene	0.333	0.231		mg/Kg		69	46 - 100
Hexachlorobenzene	0.333	0.245		mg/Kg		74	45 - 101
Hexachlorobutadiene	0.333	0.239		mg/Kg		72	38 - 110
Hexachloroethane	0.333	0.237		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.233		mg/Kg		70	48 - 104
2-Methylphenol	0.333	0.225		mg/Kg		67	43 - 101
Methylphenol, 3 & 4	0.333	0.218		mg/Kg		65	43 - 104
Naphthalene	0.333	0.240		mg/Kg		72	43 - 100
Nitrobenzene	0.333	0.244		mg/Kg		73	43 - 107
Pentachlorophenol	0.667	0.463		mg/Kg		69	34 - 112
Phenanthrene	0.333	0.243		mg/Kg		73	46 - 100
Phenol	0.333	0.229		mg/Kg		69	42 - 103
Pyrene	0.333	0.254		mg/Kg		76	44 - 102

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-378135/2-A
Matrix: Solid
Analysis Batch: 378178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.667	0.533		mg/Kg		80	25 - 109
2,4,5-Trichlorophenol	0.333	0.236		mg/Kg		71	47 - 108
2,4,6-Trichlorophenol	0.333	0.244		mg/Kg		73	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*82*		*32 - 105*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-377980/1-A
Matrix: Solid
Analysis Batch: 377999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 377980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/08/21 03:47	11/08/21 17:28	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/08/21 03:47	11/08/21 17:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*31 - 150*	*11/08/21 03:47*	*11/08/21 17:28*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*31 - 150*	*11/08/21 03:47*	*11/08/21 17:28*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*20 - 150*	*11/08/21 03:47*	*11/08/21 17:28*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*20 - 150*	*11/08/21 03:47*	*11/08/21 17:28*	*1*

Lab Sample ID: LCS 180-377980/2-A
Matrix: Solid
Analysis Batch: 377999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 377980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	0.956		mg/Kg		72	43 - 136
PCB-1260	1.33	1.19		mg/Kg		90	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*101*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*100*		*31 - 150*
Tetrachloro-m-xylene (Surr)	*92*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*86*		*20 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-511930/1-A
Matrix: Solid
Analysis Batch: 512168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Barium	ND		20	0.36	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Beryllium	ND		0.50	0.054	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Cadmium	ND		0.50	0.048	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Chromium	ND		1.0	0.34	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Copper	ND		2.5	0.24	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Lead	ND		1.0	0.28	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Manganese	ND		1.5	1.1	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Nickel	ND		4.0	0.23	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Selenium	ND		2.0	0.47	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Silver	ND		1.0	0.081	mg/Kg		11/08/21 14:00	11/09/21 13:21	1
Zinc	ND		5.0	1.4	mg/Kg		11/08/21 14:00	11/09/21 13:21	1

Lab Sample ID: LCS 240-511930/2-A
Matrix: Solid
Analysis Batch: 512168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	192		mg/Kg		96	80 - 120
Barium	200	186		mg/Kg		93	80 - 120
Beryllium	100	95.2		mg/Kg		95	80 - 120
Cadmium	100	96.3		mg/Kg		96	80 - 120
Chromium	100	94.9		mg/Kg		95	80 - 120
Copper	100	91.8		mg/Kg		92	80 - 120
Lead	100	90.5		mg/Kg		90	80 - 120
Manganese	100	93.1		mg/Kg		93	80 - 120
Nickel	100	93.5		mg/Kg		93	80 - 120
Selenium	200	183		mg/Kg		91	80 - 120
Silver	10.0	9.36		mg/Kg		94	80 - 120
Zinc	100	90.2		mg/Kg		90	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-511933/1-A
Matrix: Solid
Analysis Batch: 512158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		11/08/21 15:00	11/09/21 11:33	1

Lab Sample ID: LCS 240-511933/2-A
Matrix: Solid
Analysis Batch: 512158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 511933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.814		mg/Kg		98	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 240-513017/1-A
Matrix: Solid
Analysis Batch: 513063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.52	0.20	mg/Kg		11/15/21 13:07	11/15/21 15:48	1

Lab Sample ID: LCS 240-513017/2-A
Matrix: Solid
Analysis Batch: 513063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.71	6.04		mg/Kg		106	65 - 128

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-378437/1-A
Matrix: Solid
Analysis Batch: 378859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/10/21 12:34	11/13/21 14:59	1

Lab Sample ID: LCSI 180-378437/3-A
Matrix: Solid
Analysis Batch: 378859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378437

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	695		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-378437/2-A
Matrix: Solid
Analysis Batch: 378859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378437

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.9		mg/Kg		89	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 180-129639-5 DU
Matrix: Solid
Analysis Batch: 511858

Client Sample ID: SSHS-IRM5A2-A1-DUP6B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	86.7		86.1		%		0.7	20
Percent Moisture	13.3		13.9		%		5	20

GC/MS VOA

Prep Batch: 512176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-1	SSHS-IRM5A2-A1-A57A	Total/NA	Solid	5035	
180-129639-2	SSHS-IRM5A2-A1-A57B	Total/NA	Solid	5035	
180-129639-4	SSHS-IRM5A2-A1-DUP6A	Total/NA	Solid	5035	
180-129639-5	SSHS-IRM5A2-A1-DUP6B	Total/NA	Solid	5035	
MB 240-512176/1-A	Method Blank	Total/NA	Solid	5035	
MB 240-512176/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 512236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-1	SSHS-IRM5A2-A1-A57A	Total/NA	Solid	8260C	512176
180-129639-4	SSHS-IRM5A2-A1-DUP6A	Total/NA	Solid	8260C	512176
180-129639-5	SSHS-IRM5A2-A1-DUP6B	Total/NA	Solid	8260C	512176
MB 240-512176/1-A	Method Blank	Total/NA	Solid	8260C	512176
LCS 240-512236/6	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 512433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-2	SSHS-IRM5A2-A1-A57B	Total/NA	Solid	8260C	512176
MB 240-512176/2-A	Method Blank	Total/NA	Solid	8260C	512176
LCS 240-512433/6	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 378135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	3541	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	3541	
MB 180-378135/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378135/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 378178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	EPA 8270D LL	378135
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	EPA 8270D LL	378135
MB 180-378135/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	378135
LCS 180-378135/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	378135

GC Semi VOA

Prep Batch: 377980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	3541	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	3541	
MB 180-377980/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-377980/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 377999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	EPA 8082A	378045
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	EPA 8082A	378045
MB 180-377980/1-A	Method Blank	Total/NA	Solid	EPA 8082A	377980
LCS 180-377980/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	377980

GC Semi VOA

Cleanup Batch: 378044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	3665A	377980
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	3665A	377980

Cleanup Batch: 378045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	3660B	378044
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	3660B	378044

Metals

Prep Batch: 511930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	3050B	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	3050B	
MB 240-511930/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-511930/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 511933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	7471B	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	7471B	
MB 240-511933/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-511933/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 512158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	7471B	511933
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	7471B	511933
MB 240-511933/1-A	Method Blank	Total/NA	Solid	7471B	511933
LCS 240-511933/2-A	Lab Control Sample	Total/NA	Solid	7471B	511933

Analysis Batch: 512168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	6010C	511930
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	6010C	511930
MB 240-511930/1-A	Method Blank	Total/NA	Solid	6010C	511930
LCS 240-511930/2-A	Lab Control Sample	Total/NA	Solid	6010C	511930

General Chemistry

Prep Batch: 378437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	3060A	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	3060A	
MB 180-378437/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-378437/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-378437/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 378859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	EPA 7196A	378437
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	EPA 7196A	378437

General Chemistry (Continued)

Analysis Batch: 378859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-378437/1-A	Method Blank	Total/NA	Solid	EPA 7196A	378437
LCSI 180-378437/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	378437
LCSS 180-378437/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	378437

Analysis Batch: 511858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-1	SSHS-IRM5A2-A1-A57A	Total/NA	Solid	Moisture	
180-129639-2	SSHS-IRM5A2-A1-A57B	Total/NA	Solid	Moisture	
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	Moisture	
180-129639-4	SSHS-IRM5A2-A1-DUP6A	Total/NA	Solid	Moisture	
180-129639-5	SSHS-IRM5A2-A1-DUP6B	Total/NA	Solid	Moisture	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	Moisture	
180-129639-5 DU	SSHS-IRM5A2-A1-DUP6B	Total/NA	Solid	Moisture	

Prep Batch: 513017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	9012B	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	9012B	
MB 240-513017/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 240-513017/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 513063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	9012B	513017
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	9012B	513017
MB 240-513017/1-A	Method Blank	Total/NA	Solid	9012B	513017
LCS 240-513017/2-A	Lab Control Sample	Total/NA	Solid	9012B	513017

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A55A	11/5/21	1445	G	S	N	N	X												4	Containers for PF/ sent directly to Eu
SSHS-IRM5A2-A1-A55B	11/5/21	1445	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A55C	11/5/21	1430	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-DUP6A	11/5/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP6B	11/5/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP6C	11/5/21		C	S	N	N		X	X	X	X	X	X	X					5	

IDs should be A57A, A57B, and A57C as discussed with Miranda Stelmach. D. Dunlap 11/16/21

suffix added for consistency D. Dunlap 11/12/21

180-129639 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Matthew Lewis	11/16/21 930	Eurofins Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

11/16/2021

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

5-1/52

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

C109 MS

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/5/21	1445	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/5/21	1445	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/5/21	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP6	11/5/21		C	S	N	N		X	X	X	X	X	X	X						5	

180-129638 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				M. A. A.	11/6/21 10:00	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 180-129638**
Canton Facility

Client Geosyntec Consultants, Inc. Site Name _____ Cooler unpacked by: Matthew Surma

Cooler Received on 11/6/21 Opened on 11/6/21

FedEx (1st) Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 5.1 °C Corrected Cooler Temp. 5.2 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC157842
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

Samples 57A,B,C are present but not 55A,B,C.

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) ~~57A,B,C,D,E,F~~ _____ were further preserved in the laboratory.

Time preserved: ~~_____~~ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: 11/6/21 11:35 A.M.

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	SD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/5/21	1445	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/5/21	1445	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/5/21	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP6	11/5/21		C	S	N	N		X	X	X	X	X	X	X						5	

180-129639 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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11/16/2021

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes



Tracking # : 7750 8737 5289

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-04 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed: 5.4 °C Corrected: 5.5 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DK Date: 11/6/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☒ DK 11/6/21
Sample preservatives verified?	☐	☒	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DK Date: 11/6/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: DK Date: 11/6/21



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 05NOV21
ACTWGT: 40.00 LB
CAD: 2[illegible]NET4460
DIMS: 36x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56DJ3148AFE4A

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7750 8737 5289

X0 BLUA

95605
CA-US SMF

FedEx Ship Manager - Print Your Label(s)

11/1/21, 6:05 PM

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129639-1

Login Number: 129639
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129639-2
Client Project/Site: Former Sperry Remington-Reuse
Revision: 1

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/16/2021 10:27:24 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

Job ID: 180-129639-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

This is a revised report. The ID for sample SSHS-IRM5A2-A1-A55C (180-129639-3) has been corrected to be SSHS-IRM5A2-A1-A57C. Notation has also been made to the COC.

Job Narrative
180-129639-2

Comments
Notation was made to the coc regarding the addition of the A, B, or C suffix to the field duplicate ID.

Receipt
The samples were received on 11/6/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 4.4º C, 5.2º C and 5.5º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129639-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129639-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129639-3	SSHS-IRM5A2-A1-A57C	Solid	11/05/21 14:30	11/06/21 09:30
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Solid	11/05/21 00:00	11/06/21 09:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

Client Sample ID: SSHS-IRM5A2-A1-A57C

Lab Sample ID: 180-129639-3
Date Collected: 11/05/21 14:30
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.35 g	10.0 mL	541149	11/08/21 18:28	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			541256	11/09/21 14:35	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-DUP6C

Lab Sample ID: 180-129639-6
Date Collected: 11/05/21 00:00
Matrix: Solid
Date Received: 11/06/21 09:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	541149	11/08/21 18:28	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1			541256	11/09/21 14:45	RS1	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

Client Sample ID: SSHS-IRM5A2-A1-A57C
Date Collected: 11/05/21 14:30
Date Received: 11/06/21 09:30

Lab Sample ID: 180-129639-3
Matrix: Solid
Percent Solids: 93.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.17**	**J**	0.20	0.046	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluoropentanoic acid (PFPeA)	**0.11**	**J**	0.20	0.041	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorohexanoic acid (PFHxA)	**0.051**	**J**	0.20	0.031	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.20	0.053	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorononanoic acid (PFNA)	**0.028**	**J**	0.20	0.022	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorooctanesulfonic acid (PFOS)	**0.20**		0.20	0.043	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	11/08/21 18:28	11/09/21 14:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C5 PFPeA	*73*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C2 PFHxA	*69*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C4 PFHpA	*77*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C4 PFOA	*77*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C5 PFNA	*76*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C2 PFDA	*72*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C2 PFUnA	*78*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C2 PFDoA	*73*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C3 PFBS	*71*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
18O2 PFHxS	*65*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C4 PFOS	*70*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
13C8 FOSA	*72*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
d3-NMeFOSAA	*67*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
d5-NEtFOSAA	*72*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
M2-6:2 FTS	*62*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:35*	*1*

Client Sample ID: SSHS-IRM5A2-A1-DUP6C

Date Collected: 11/05/21 00:00
Date Received: 11/06/21 09:30

Lab Sample ID: 180-129639-6

Matrix: Solid
Percent Solids: 87.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.15**	**J**	0.22	0.051	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluoropentanoic acid (PFPeA)	**0.088**	**J**	0.22	0.045	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorohexanoic acid (PFHxA)	**0.049**	**J**	0.22	0.034	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.22	0.059	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorononanoic acid (PFNA)	**0.024**	**J**	0.22	0.024	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J**	0.22	0.048	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	11/08/21 18:28	11/09/21 14:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C5 PFPeA	*72*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C2 PFHxA	*73*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C4 PFHpA	*73*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C4 PFOA	*78*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C5 PFNA	*76*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C2 PFDA	*75*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C2 PFUnA	*78*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C2 PFDoA	*77*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C3 PFBS	*73*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
18O2 PFHxS	*68*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C4 PFOS	*71*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
13C8 FOSA	*70*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
d5-NEtFOSAA	*70*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
M2-6:2 FTS	*64*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:45*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-541149/1-A
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/08/21 18:28	11/09/21 14:05	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/08/21 18:28	11/09/21 14:05	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C2 PFHxA	*72*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C4 PFHpA	*78*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C4 PFOA	*80*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C5 PFNA	*76*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C2 PFDA	*74*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C2 PFUnA	*79*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C2 PFDoA	*75*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C2 PFTeDA	*69*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C3 PFBS	*84*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
18O2 PFHxS	*78*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C4 PFOS	*79*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
13C8 FOSA	*75*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
d3-NMeFOSAA	*73*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
d5-NEtFOSAA	*72*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*11/08/21 18:28*	*11/09/21 14:05*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-541149/2-A
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.95		ug/Kg		98	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.94		ug/Kg		97	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.96		ug/Kg		98	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.01		ug/Kg		101	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.01		ug/Kg		101	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.01		ug/Kg		100	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.88		ug/Kg		94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.88		ug/Kg		94	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.46		ug/Kg		82	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.76		ug/Kg		92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.71		ug/Kg		92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.74		ug/Kg		90	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.01		ug/Kg		101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.71		ug/Kg		86	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.91		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.86		ug/Kg		98	73 - 139
8:2 FTS	1.92	1.80		ug/Kg		94	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*67*		*25 - 150*
13C5 PFPeA	*73*		*25 - 150*
13C2 PFHxA	*72*		*25 - 150*
13C4 PFHpA	*79*		*25 - 150*
13C4 PFOA	*79*		*25 - 150*
13C5 PFNA	*75*		*25 - 150*
13C2 PFDA	*71*		*25 - 150*
13C2 PFUnA	*75*		*25 - 150*
13C2 PFDoA	*71*		*25 - 150*
13C2 PFTeDA	*62*		*25 - 150*
13C3 PFBS	*81*		*25 - 150*
18O2 PFHxS	*77*		*25 - 150*
13C4 PFOS	*78*		*25 - 150*
13C8 FOSA	*72*		*25 - 150*
d3-NMeFOSAA	*73*		*25 - 150*
d5-NEtFOSAA	*70*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-541149/2-A
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541149

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*68*		*25 - 150*
M2-8:2 FTS	*67*		*25 - 150*

Lab Sample ID: 180-129639-6 MS
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: SSHS-IRM5A2-A1-DUP6C
Prep Type: Total/NA
Prep Batch: 541149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.15	J	2.21	2.32		ug/Kg	☼	102	76 - 136
Perfluoropentanoic acid (PFPeA)	0.088	J	2.21	2.18		ug/Kg	☼	95	69 - 129
Perfluorohexanoic acid (PFHxA)	0.049	J	2.21	2.12		ug/Kg	☼	94	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.21	2.24		ug/Kg	☼	102	71 - 131
Perfluorooctanoic acid (PFOA)	0.11	J	2.21	2.15		ug/Kg	☼	93	72 - 132
Perfluorononanoic acid (PFNA)	0.024	J	2.21	2.24		ug/Kg	☼	102	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.21	2.23		ug/Kg	☼	101	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.21	2.15		ug/Kg	☼	97	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.21	2.27		ug/Kg	☼	103	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.21	2.04		ug/Kg	☼	93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.21	2.05		ug/Kg	☼	93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.95	1.65		ug/Kg	☼	85	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.01	1.78		ug/Kg	☼	89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.10	1.90		ug/Kg	☼	90	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.19	J	2.05	2.07		ug/Kg	☼	92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.13	1.90		ug/Kg	☼	89	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.21	2.21		ug/Kg	☼	100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.21	1.94		ug/Kg	☼	88	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.21	2.03		ug/Kg	☼	92	72 - 132
6:2 FTS	ND		2.09	1.87		ug/Kg	☼	89	73 - 139
8:2 FTS	ND		2.11	1.86		ug/Kg	☼	88	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*63*		*25 - 150*
13C5 PFPeA	*73*		*25 - 150*
13C2 PFHxA	*70*		*25 - 150*
13C4 PFHpA	*73*		*25 - 150*
13C4 PFOA	*77*		*25 - 150*
13C5 PFNA	*77*		*25 - 150*
13C2 PFDA	*74*		*25 - 150*
13C2 PFUnA	*74*		*25 - 150*
13C2 PFDoA	*75*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129639-6 MS
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: SSHS-IRM5A2-A1-DUP6C
Prep Type: Total/NA
Prep Batch: 541149

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	73		25 - 150
13C3 PFBS	71		25 - 150
18O2 PFHxS	69		25 - 150
13C4 PFOS	70		25 - 150
13C8 FOSA	70		25 - 150
d3-NMeFOSAA	66		25 - 150
d5-NEtFOSAA	70		25 - 150
M2-6:2 FTS	68		25 - 150
M2-8:2 FTS	71		25 - 150

Lab Sample ID: 180-129639-6 MSD
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: SSHS-IRM5A2-A1-DUP6C
Prep Type: Total/NA
Prep Batch: 541149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.15	J	2.13	2.38		ug/Kg	☼	109	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)	0.088	J	2.13	2.10		ug/Kg	☼	95	69 - 129	4	30
Perfluorohexanoic acid (PFHxA)	0.049	J	2.13	2.10		ug/Kg	☼	97	71 - 131	1	30
Perfluoroheptanoic acid (PFHpA)	ND		2.13	2.19		ug/Kg	☼	103	71 - 131	2	30
Perfluorooctanoic acid (PFOA)	0.11	J	2.13	2.10		ug/Kg	☼	94	72 - 132	2	30
Perfluorononanoic acid (PFNA)	0.024	J	2.13	2.10		ug/Kg	☼	99	73 - 133	6	30
Perfluorodecanoic acid (PFDA)	ND		2.13	2.08		ug/Kg	☼	98	72 - 132	7	30
Perfluoroundecanoic acid (PFUnA)	ND		2.13	2.13		ug/Kg	☼	100	66 - 126	1	30
Perfluorododecanoic acid (PFDoA)	ND		2.13	2.10		ug/Kg	☼	99	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)	ND		2.13	1.94		ug/Kg	☼	91	71 - 131	5	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.13	1.95		ug/Kg	☼	92	67 - 127	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.88	1.61		ug/Kg	☼	85	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.94	1.84		ug/Kg	☼	95	62 - 122	3	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.03	1.79		ug/Kg	☼	88	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	0.19	J	1.97	1.93		ug/Kg	☼	88	68 - 141	7	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.05	1.85		ug/Kg	☼	90	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.13	2.18		ug/Kg	☼	103	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.13	1.84		ug/Kg	☼	87	72 - 132	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.13	1.93		ug/Kg	☼	91	72 - 132	5	30
6:2 FTS	ND		2.02	1.74		ug/Kg	☼	86	73 - 139	7	30
8:2 FTS	ND		2.04	1.93		ug/Kg	☼	95	75 - 135	4	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	60		25 - 150
13C5 PFPeA	73		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129639-6 MSD
Matrix: Solid
Analysis Batch: 541256

Client Sample ID: SSHS-IRM5A2-A1-DUP6C
Prep Type: Total/NA
Prep Batch: 541149

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	71		25 - 150
13C4 PFHpA	72		25 - 150
13C4 PFOA	79		25 - 150
13C5 PFNA	76		25 - 150
13C2 PFDA	75		25 - 150
13C2 PFUnA	72		25 - 150
13C2 PFDoA	76		25 - 150
13C2 PFTeDA	75		25 - 150
13C3 PFBS	70		25 - 150
18O2 PFHxS	65		25 - 150
13C4 PFOS	73		25 - 150
13C8 FOSA	71		25 - 150
d3-NMeFOSAA	67		25 - 150
d5-NEtFOSAA	70		25 - 150
M2-6:2 FTS	68		25 - 150
M2-8:2 FTS	69		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129639-2

LCMS

Prep Batch: 541149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	SHAKE	
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	SHAKE	
MB 320-541149/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-541149/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-129639-6 MS	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	SHAKE	
180-129639-6 MSD	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	SHAKE	

Analysis Batch: 541256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129639-3	SSHS-IRM5A2-A1-A57C	Total/NA	Solid	537 (modified)	541149
180-129639-6	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	537 (modified)	541149
MB 320-541149/1-A	Method Blank	Total/NA	Solid	537 (modified)	541149
LCS 320-541149/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	541149
180-129639-6 MS	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	537 (modified)	541149
180-129639-6 MSD	SSHS-IRM5A2-A1-DUP6C	Total/NA	Solid	537 (modified)	541149

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A55A	11/5/21	1445	G	S	N	N	X												4	Containers for PF/ sent directly to Eu
SSHS-IRM5A2-A1-A55B	11/5/21	1445	G	S	N	N	X												4	
SSHS-IRM5A2-A1-A55C	11/5/21	1430	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A1-DUP6A	11/5/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP6B	11/5/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP6C	11/5/21		C	S	N	N		X	X	X	X	X	X	X					5	

IDs should be A57A, A57B, and A57C as discussed with Miranda Stelmach. D. Dunlap 11/16/21

suffix added for consistency D. Dunlap 11/12/21

180-129639 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Matthew Lewis	11/6/21 930	Eurofins Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

5-1/52

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

C109 MS

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A55A	11/5/21	1445	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/5/21	1445	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A55C	11/5/21	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X													4	
SSHS-IRM5A2-A1-DUP6	11/5/21		C	S	N	N		X	X	X	X	X	X	X						5	

180-129638 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				M. A. A.	11/6/21 10:00	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 180-129638**
Canton Facility

Client Geosyntec Consultants, Inc. Site Name _____ Cooler unpacked by: Matthew Surma

Cooler Received on 11/6/21 Opened on 11/6/21

FedEx (1st) Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 5.1 °C Corrected Cooler Temp. 5.2 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC157842
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page — Samples processed by:

Samples 57A,B,C are present but not 55A,B,C.

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) ~~57A,B,C,D,E,F~~ _____ were further preserved in the laboratory.

Time preserved: ~~_____~~ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: 11/6/21 11:35 A.M.

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	SD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	X	
SSHS-IRM5A2-A1-A55A	11/5/21	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A55B	11/5/21	1445	G	S	N	N	X									
SSHS-IRM5A2-A1-A55C	11/5/21	1430	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X								4	
SSHS-IRM5A2-A1-DUP6	11/5/21		G	S	N	N	X								4	
SSHS-IRM5A2-A1-DUP6	11/5/21		C	S	N	N		X	X	X	X	X	X	X	5	

180-129639 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

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11/16/2021 (Rev. 1)

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-129639 Field Sheet

Tracking # : 7750 8737 5289

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-04 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed: 5.4 °C Corrected: 5.5 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DM Date: 11/6/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☒ DM 11/6/21
Sample preservatives verified?	☐	☒	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DM Date: 11/6/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: DM Date: 11/6/21



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 05NOV21
ACTWGT: 40.00 LB
CAD: 2[illegible]ET4460
DIMS: 58x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56DJ3148AFE4A

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7750 8737 5289

X0 BLUA

CA-US 95605 SMF

FedEx Ship Manager - Print Your Label(s)

11/1/21, 6:05 PM

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129639-2

Login Number: 129639
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129639-2

Login Number: 129639
List Number: 2
Creator: Her, David A

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/06/21 02:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129746-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/16/2021 9:58:31 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129746-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129746-2

Receipt
The samples were received on 11/10/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.0º C and 4.2º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following sample: the matrix spike duplicate (MSD) of sample SSHS-IRM5A2-A1-A59C (180-129746-6). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129746-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129746-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129746-3	SSHS-IRM5A2-A1-A58C	Solid	11/09/21 14:48	11/10/21 10:00
180-129746-6	SSHS-IRM5A2-A1-A59C	Solid	11/09/21 15:10	11/10/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-2

Client Sample ID: SSHS-IRM5A2-A1-A58C

Lab Sample ID: 180-129746-3
Date Collected: 11/09/21 14:48
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	541912	11/11/21 12:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			542255	11/12/21 16:07	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A1-A59C

Lab Sample ID: 180-129746-6
Date Collected: 11/09/21 15:10
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.41 g	10.0 mL	541912	11/11/21 12:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			542255	11/12/21 15:36	RS1	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client Sample ID: SSHS-IRM5A2-A1-A58C
Lab Sample ID: 180-129746-3

Date Collected: 11/09/21 14:48
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 84.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.36**		0.23	0.053	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.23	0.062	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.050	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	11/11/21 12:27	11/12/21 16:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C5 PFPeA	*92*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C2 PFHxA	*91*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C4 PFHpA	*88*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C4 PFOA	*94*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C5 PFNA	*88*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C2 PFDA	*86*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C2 PFUnA	*84*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C2 PFDoA	*77*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C3 PFBS	*93*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
18O2 PFHxS	*86*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C4 PFOS	*89*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
13C8 FOSA	*82*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
d5-NEtFOSAA	*74*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*11/11/21 12:27*	*11/12/21 16:07*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A59C

Date Collected: 11/09/21 15:10
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-6

Matrix: Solid
Percent Solids: 87.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.21	0.048	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluoropentanoic acid (PFPeA)	**0.043**	**J**	0.21	0.043	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorohexanoic acid (PFHxA)	**0.041**	**J**	0.21	0.033	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorooctanoic acid (PFOA)	**0.12**	**J**	0.21	0.056	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorononanoic acid (PFNA)	**0.028**	**J**	0.21	0.023	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/11/21 12:27	11/12/21 15:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C5 PFPeA	*100*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C2 PFHxA	*93*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C4 PFHpA	*104*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C4 PFOA	*100*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C5 PFNA	*100*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C2 PFUnA	*93*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C2 PFDoA	*92*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C3 PFBS	*96*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
18O2 PFHxS	*92*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C4 PFOS	*96*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
13C8 FOSA	*94*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*
M2-8:2 FTS	*73*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:36*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-541912/1-A
Matrix: Solid
Analysis Batch: 542255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/11/21 12:27	11/12/21 15:16	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/11/21 12:27	11/12/21 15:16	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C5 PFPeA	*98*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C2 PFHxA	*93*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C4 PFHpA	*102*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C4 PFOA	*97*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C5 PFNA	*91*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C2 PFUnA	*89*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C2 PFDoA	*88*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C3 PFBS	*105*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
18O2 PFHxS	*93*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C4 PFOS	*99*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
13C8 FOSA	*87*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
d5-NEtFOSAA	*80*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*11/11/21 12:27*	*11/12/21 15:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-541912/2-A
Matrix: Solid
Analysis Batch: 542255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.93		ug/Kg		97	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.84		ug/Kg		92	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.83		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.89		ug/Kg		95	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.93		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.89		ug/Kg		95	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.98		ug/Kg		99	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.07		ug/Kg		103	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.06		ug/Kg		103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.93		ug/Kg		96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.45		ug/Kg		82	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.64		ug/Kg		90	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.85		ug/Kg		97	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.80		ug/Kg		97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.78		ug/Kg		92	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.76		ug/Kg		88	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.93		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.84		ug/Kg		97	73 - 139
8:2 FTS	1.92	1.79		ug/Kg		93	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*96*		*25 - 150*
13C5 PFPeA	*106*		*25 - 150*
13C2 PFHxA	*105*		*25 - 150*
13C4 PFHpA	*103*		*25 - 150*
13C4 PFOA	*106*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*94*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*117*		*25 - 150*
18O2 PFHxS	*107*		*25 - 150*
13C4 PFOS	*104*		*25 - 150*
13C8 FOSA	*94*		*25 - 150*
d3-NMeFOSAA	*87*		*25 - 150*
d5-NEtFOSAA	*84*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-541912/2-A
Matrix: Solid
Analysis Batch: 542255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541912

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*77*		*25 - 150*
M2-8:2 FTS	*75*		*25 - 150*

Lab Sample ID: 180-129746-6 MS
Matrix: Solid
Analysis Batch: 542255

Client Sample ID: SSHS-IRM5A2-A1-A59C
Prep Type: Total/NA
Prep Batch: 541912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.12	J	2.27	2.30		ug/Kg	☼	96	76 - 136
Perfluoropentanoic acid (PFPeA)	0.043	J	2.27	2.24		ug/Kg	☼	98	69 - 129
Perfluorohexanoic acid (PFHxA)	0.041	J	2.27	2.26		ug/Kg	☼	98	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.27	2.27		ug/Kg	☼	100	71 - 131
Perfluorooctanoic acid (PFOA)	0.12	J	2.27	2.10		ug/Kg	☼	87	72 - 132
Perfluorononanoic acid (PFNA)	0.028	J	2.27	2.20		ug/Kg	☼	96	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.27	2.21		ug/Kg	☼	97	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.27	2.25		ug/Kg	☼	99	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.27	2.42		ug/Kg	☼	106	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.27	2.11		ug/Kg	☼	93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.27	2.17		ug/Kg	☼	96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		2.01	1.71		ug/Kg	☼	85	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.07	1.97		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.16	1.98		ug/Kg	☼	91	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.11	2.10		ug/Kg	☼	99	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.19	1.91		ug/Kg	☼	87	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.27	2.37		ug/Kg	☼	104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.27	1.97		ug/Kg	☼	87	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.27	2.23		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		2.16	1.92		ug/Kg	☼	89	73 - 139
8:2 FTS	ND		2.18	2.19		ug/Kg	☼	101	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*83*		*25 - 150*
13C5 PFPeA	*97*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*103*		*25 - 150*
13C5 PFNA	*95*		*25 - 150*
13C2 PFDA	*88*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*84*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129746-6 MS **Client Sample ID: SSHS-IRM5A2-A1-A59C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 542255 **Prep Batch: 541912**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	79		25 - 150
13C3 PFBS	95		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	83		25 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	75		25 - 150
M2-6:2 FTS	69		25 - 150
M2-8:2 FTS	67		25 - 150

Lab Sample ID: 180-129746-6 MSD **Client Sample ID: SSHS-IRM5A2-A1-A59C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 542255 **Prep Batch: 541912**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.12	J	2.24	2.31		ug/Kg	☼	97	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	0.043	J	2.24	2.18		ug/Kg	☼	97	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	0.041	J	2.24	2.13		ug/Kg	☼	93	71 - 131	6	30
Perfluoroheptanoic acid (PFHpA)	ND		2.24	2.11		ug/Kg	☼	94	71 - 131	7	30
Perfluorooctanoic acid (PFOA)	0.12	J	2.24	2.30		ug/Kg	☼	97	72 - 132	9	30
Perfluorononanoic acid (PFNA)	0.028	J	2.24	2.33		ug/Kg	☼	103	73 - 133	5	30
Perfluorodecanoic acid (PFDA)	ND		2.24	2.14		ug/Kg	☼	95	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)	ND		2.24	2.35		ug/Kg	☼	105	66 - 126	4	30
Perfluorododecanoic acid (PFDoA)	ND		2.24	2.46		ug/Kg	☼	110	71 - 131	2	30
Perfluorotridecanoic acid (PFTriA)	ND		2.24	2.21		ug/Kg	☼	99	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.24	2.20		ug/Kg	☼	98	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.98	1.64		ug/Kg	☼	83	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.04	1.88		ug/Kg	☼	92	62 - 122	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.13	1.91		ug/Kg	☼	89	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.08	2.10	I	ug/Kg	☼	101	68 - 141	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.16	1.85		ug/Kg	☼	86	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.24	2.20		ug/Kg	☼	98	77 - 137	7	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.24	1.95		ug/Kg	☼	87	72 - 132	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.24	2.01		ug/Kg	☼	90	72 - 132	10	30
6:2 FTS	ND		2.13	2.26		ug/Kg	☼	106	73 - 139	16	30
8:2 FTS	ND		2.15	2.39		ug/Kg	☼	111	75 - 135	9	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	87		25 - 150
13C5 PFPeA	97		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129746-6 MSD
Matrix: Solid
Analysis Batch: 542255

Client Sample ID: SSHS-IRM5A2-A1-A59C
Prep Type: Total/NA
Prep Batch: 541912

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	97		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	87		25 - 150
13C2 PFTeDA	81		25 - 150
13C3 PFBS	101		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	80		25 - 150
d5-NEtFOSAA	85		25 - 150
M2-6:2 FTS	68		25 - 150
M2-8:2 FTS	71		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-2

LCMS

Prep Batch: 541912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	SHAKE	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	SHAKE	
MB 320-541912/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-541912/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-129746-6 MS	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	SHAKE	
180-129746-6 MSD	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	SHAKE	

Analysis Batch: 542255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	537 (modified)	541912
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	537 (modified)	541912
MB 320-541912/1-A	Method Blank	Total/NA	Solid	537 (modified)	541912
LCS 320-541912/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	541912
180-129746-6 MS	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	537 (modified)	541912
180-129746-6 MSD	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	537 (modified)	541912

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

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Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A58A	11/9/21	1500	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A58B	11/9/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A58C	11/9/21	1448	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A59A	11/9/21	1515	G	S	N	N	X									
SSHS-IRM5A2-A1-A59B	11/9/21	1515	G	S	N	N	X									
SSHS-IRM5A2-A1-A59C	11/9/21	1510	C	S	N	N		X	X	X	X	X	X	X		

180-129746 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/9	Company	Received by:	Date/Time: 11/10/21 1000	Company EAT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

29130

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A58A	11/9/21	1500	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A58B	11/9/21	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A58C	11/9/21	1448	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A59A	11/9/21	1515	G	S	N	N	X														
SSHS-IRM5A2-A1-A59B	11/9/21	1515	G	S	N	N	X														
SSHS-IRM5A2-A1-A59C	11/9/21	1510	C	S	N	N		X	X	X	X	X	X	X							

180-129746 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/9			11/10/21 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Geosyntec Site Name _____ Cooler unpacked by: Trent
Cooler Received on 11/10/21 Opened on 11/10/21
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 14 Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 2.9 °C Corrected Cooler Temp. 3.0 °C
IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

19. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: X8 11-10-21 1601

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

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Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A58A	11/9/21	1500	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A58B	11/9/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A58C	11/9/21	1448	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A59A	11/9/21	1515	G	S	N	N	X									
SSHS-IRM5A2-A1-A59B	11/9/21	1515	G	S	N	N	X									
SSHS-IRM5A2-A1-A59C	11/9/21	1510	C	S	N	N		X	X	X	X	X	X	X		

180-129746 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Colin	11/9			11/10/21 1035	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2

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Sacramento
Sample Receiving Notes

Tracking # : 7751 4361 0077

180-129746 Field Sheet

Job: ___

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other ___

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 2-07 Corr. Factor: (+ / -) ___ °C

Ice 1 Wet 6 Gel ___ Other ___

Cooler Custody Seal: —

Cooler ID: ___

Temp Observed: 4.2 °C Corrected: 4.2 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DK Date: 11/10/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11-10-21

Notes: ___

Trizma Lot #(s): ___

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 11-10-21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129746-2

Login Number: 129746
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129746-2

Login Number: 129746
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/10/21 08:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129746-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/18/2021 4:25:14 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129746-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129746-1

Receipt
The samples were received on 11/10/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.0º C and 4.2º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following samples: SSHS-IRM5A2-A1-A58A (180-129746-1), SSHS-IRM5A2-A1-A58B (180-129746-2), SSHS-IRM5A2-A1-A59A (180-129746-4), and SSHS-IRM5A2-A1-A59B (180-129746-5). The samples were re-analyzed and again had the internal standard below criteria. Results of one analysis were reported for each sample.

Method 8260C: The laboratory control sample (LCS) for batch 240-512756 recovered above the control limits for the following analytes: Acetone and Methylene Chloride. As these analytes were biased high in the LCS and were not detected in the associated samples, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A1-A58C (180-129746-3) and its matrix spikes; and SSHS-IRM5A2-A1-A59C (180-129746-6). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1-A58C (180-129746-3) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-378704 (CCV 180-378704/4) was below criteria for aroclor 1248 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2 or did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following sample was diluted to bring the concentration of iron within the instrument's linear range: SSHS-IRM5A2-A1-A58C (180-129746-3). Elevated reporting limits (RLs) are provided. Cadmium, copper, lead, and nickel were also reported from dilution due to inter-element corrections associated with iron.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129746-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129746-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129746-1	SSHS-IRM5A2-A1-A58A	Solid	11/09/21 15:00	11/10/21 10:00
180-129746-2	SSHS-IRM5A2-A1-A58B	Solid	11/09/21 15:00	11/10/21 10:00
180-129746-3	SSHS-IRM5A2-A1-A58C	Solid	11/09/21 14:48	11/10/21 10:00
180-129746-4	SSHS-IRM5A2-A1-A59A	Solid	11/09/21 15:15	11/10/21 10:00
180-129746-5	SSHS-IRM5A2-A1-A59B	Solid	11/09/21 15:15	11/10/21 10:00
180-129746-6	SSHS-IRM5A2-A1-A59C	Solid	11/09/21 15:10	11/10/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total andor Amenable	SW846	TAL CAN
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL CAN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Client Sample ID: SSHS-IRM5A2-A1-A58A
Date Collected: 11/09/21 15:00
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			512532	11/11/21 10:40	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A58A
Date Collected: 11/09/21 15:00
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-1
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.462 g	5 mL	512766	11/10/21 11:01	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512756	11/12/21 21:28	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A58B
Date Collected: 11/09/21 15:00
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			512532	11/11/21 10:40	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A58B
Date Collected: 11/09/21 15:00
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-2
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.782 g	5 mL	512766	11/10/21 11:01	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512802	11/13/21 16:21	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A58C
Date Collected: 11/09/21 14:48
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			512532	11/11/21 10:40	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A58C
Date Collected: 11/09/21 14:48
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-3
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	378667	11/11/21 19:32	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	378700	11/12/21 17:08	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Client Sample ID: SSHS-IRM5A2-A1-A58C

Lab Sample ID: 180-129746-3
Date Collected: 11/09/21 14:48
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	378670	11/11/21 22:16	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378792	11/12/21 13:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378793	11/12/21 13:42	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378704	11/12/21 17:37	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.12 g	100 mL	512539	11/11/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			512737	11/12/21 12:33	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	3050B			1.12 g	100 mL	512539	11/11/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		2			512737	11/12/21 18:36	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.60 g	100 mL	512544	11/11/21 14:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			512691	11/12/21 09:28	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.24 g	6 mL	513017	11/15/21 13:07	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513063	11/15/21 16:08	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.55 g	100 mL	379162	11/16/21 15:35	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	379304	11/17/21 17:11	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A1-A59A

Lab Sample ID: 180-129746-4
Date Collected: 11/09/21 15:15
Matrix: Solid
Date Received: 11/10/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			512532	11/11/21 10:40	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A59A

Lab Sample ID: 180-129746-4
Date Collected: 11/09/21 15:15
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.913 g	5 mL	512766	11/10/21 11:01	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512802	11/13/21 16:43	TJL2	TAL CAN
	Instrument ID: A3UX8									

Client Sample ID: SSHS-IRM5A2-A1-A59B

Lab Sample ID: 180-129746-5
Date Collected: 11/09/21 15:15
Matrix: Solid
Date Received: 11/10/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			512532	11/11/21 10:40	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Client Sample ID: SSHS-IRM5A2-A1-A59B

Lab Sample ID: 180-129746-5
Date Collected: 11/09/21 15:15
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.826 g	5 mL	512766	11/10/21 11:01	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	512756	11/12/21 22:40	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A1-A59C

Lab Sample ID: 180-129746-6
Date Collected: 11/09/21 15:10
Matrix: Solid
Date Received: 11/10/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			512532	11/11/21 10:40	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1-A59C

Lab Sample ID: 180-129746-6
Date Collected: 11/09/21 15:10
Matrix: Solid
Date Received: 11/10/21 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	378667	11/11/21 19:32	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	378700	11/12/21 18:15	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	378670	11/11/21 22:16	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378792	11/12/21 13:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378793	11/12/21 13:42	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378704	11/12/21 18:33	DFE	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.22 g	100 mL	512539	11/11/21 14:00	DEE	TAL CAN
Total/NA	Analysis	6010C		1			512737	11/12/21 12:38	RKT	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.55 g	100 mL	512544	11/11/21 14:00	DEE	TAL CAN
Total/NA	Analysis	7471B		1			512691	11/12/21 09:35	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.24 g	6 mL	513017	11/15/21 13:07	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513063	11/15/21 16:10	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.46 g	100 mL	379162	11/16/21 15:35	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	379304	11/17/21 17:12	PMH	TAL PIT
	Instrument ID: GEN10S									

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Analyst References:

Lab: TAL CAN

Batch Type: Prep

BLW = Bruce Woodward
DEE = Dale Elshaw
LAM = Louis Mancine

Batch Type: Analysis

AJ = Allison Jackson
BLW = Bruce Woodward
MRL = Matthew Loeb
RKT = Roger Toth
TJL2 = Todd Lata

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

CSC = Chayce Cockroft
PMH = Paloma Hoelzle

Batch Type: Analysis

DFE = David Eppinger
PMH = Paloma Hoelzle
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1-A58A
Lab Sample ID: 180-129746-1
Date Collected: 11/09/21 15:00 **Matrix: Solid**
Date Received: 11/10/21 10:00 **Percent Solids: 82.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.034	0.028	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Benzene	**0.0027**	**J**	0.0068	0.00095	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
2-Butanone (MEK)	ND		0.027	0.0048	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Carbon tetrachloride	ND		0.0068	0.0044	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Chlorobenzene	ND		0.0068	0.0012	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Chloroform	ND		0.0068	0.0011	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
cis-1,2-Dichloroethene	ND		0.0068	0.0020	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,2-Dichlorobenzene	ND	*3	0.0068	0.0015	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,3-Dichlorobenzene	ND	*3	0.0068	0.0011	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,4-Dichlorobenzene	ND	*3	0.0068	0.0012	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,1-Dichloroethane	ND		0.0068	0.00094	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,2-Dichloroethane	ND		0.0068	0.0010	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,1-Dichloroethene	ND		0.0068	0.0025	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,4-Dioxane	ND		0.34	0.098	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Ethylbenzene	ND		0.0068	0.0014	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Methylene Chloride	ND	*+	0.034	0.016	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Methyl tert-butyl ether	ND		0.0068	0.0027	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
n-Butylbenzene	ND	*3	0.0068	0.0047	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
N-Propylbenzene	ND	*3	0.0068	0.0024	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
sec-Butylbenzene	ND	*3	0.0068	0.0026	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
tert-Butylbenzene	ND	*3	0.0068	0.0034	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Tetrachloroethene	ND		0.0068	0.00099	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Toluene	**0.0033**	**J**	0.0068	0.0010	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
trans-1,2-Dichloroethene	ND		0.0068	0.0019	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,1,1-Trichloroethane	ND		0.0068	0.0024	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Trichloroethene	ND		0.0068	0.00086	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,2,4-Trimethylbenzene	**0.0066**	**J *3**	0.0068	0.0031	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
1,3,5-Trimethylbenzene	**0.0048**	**J *3**	0.0068	0.0026	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Vinyl chloride	ND		0.0068	0.0024	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1
Xylenes, Total	**0.0046**	**J**	0.014	0.0022	mg/Kg	☼	11/10/21 11:01	11/12/21 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*	**3*	*41 - 143*	*11/10/21 11:01*	*11/12/21 21:28*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/10/21 11:01*	*11/12/21 21:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*58 - 125*	*11/10/21 11:01*	*11/12/21 21:28*	*1*
Toluene-d8 (Surr)	*111*		*56 - 125*	*11/10/21 11:01*	*11/12/21 21:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**82.6**		0.1	0.1	%			11/11/21 10:40	1
Percent Moisture	**17.4**		0.1	0.1	%			11/11/21 10:40	1

Client Sample ID: SSHS-IRM5A2-A1-A58B
Lab Sample ID: 180-129746-2
Date Collected: 11/09/21 15:00 **Matrix: Solid**
Date Received: 11/10/21 10:00 **Percent Solids: 85.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Benzene	ND		0.0050	0.00070	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1

Client Sample ID: SSHS-IRM5A2-A1-A58B
Lab Sample ID: 180-129746-2
Date Collected: 11/09/21 15:00 **Matrix: Solid**
Date Received: 11/10/21 10:00 **Percent Solids: 85.6**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Chlorobenzene	ND		0.0050	0.00093	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Chloroform	ND		0.0050	0.00080	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,2-Dichlorobenzene	ND	*3	0.0050	0.0011	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,3-Dichlorobenzene	ND	*3	0.0050	0.00082	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,4-Dichlorobenzene	ND	*3	0.0050	0.00089	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,1-Dichloroethane	ND		0.0050	0.00070	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,2-Dichloroethane	ND		0.0050	0.00078	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,4-Dioxane	ND		0.25	0.073	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Ethylbenzene	ND		0.0050	0.0011	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Methylene Chloride	ND		0.025	0.012	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
n-Butylbenzene	ND	*3	0.0050	0.0035	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
N-Propylbenzene	ND	*3	0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
sec-Butylbenzene	ND	*3	0.0050	0.0019	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
tert-Butylbenzene	ND	*3	0.0050	0.0026	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Tetrachloroethene	ND		0.0050	0.00074	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Toluene	ND		0.0050	0.00078	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Trichloroethene	ND		0.0050	0.00064	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,2,4-Trimethylbenzene	ND	*3	0.0050	0.0023	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
1,3,5-Trimethylbenzene	ND	*3	0.0050	0.0019	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg	☼	11/10/21 11:01	11/13/21 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*		*41 - 143*	*11/10/21 11:01*	*11/13/21 16:21*	*1*
Dibromofluoromethane (Surr)	*95*		*41 - 138*	*11/10/21 11:01*	*11/13/21 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*58 - 125*	*11/10/21 11:01*	*11/13/21 16:21*	*1*
Toluene-d8 (Surr)	*88*		*56 - 125*	*11/10/21 11:01*	*11/13/21 16:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85.6**		0.1	0.1	%			11/11/21 10:40	1
Percent Moisture	**14.4**		0.1	0.1	%			11/11/21 10:40	1

Client Sample ID: SSHS-IRM5A2-A1-A58C
Lab Sample ID: 180-129746-3
Date Collected: 11/09/21 14:48 **Matrix: Solid**
Date Received: 11/10/21 10:00 **Percent Solids: 84.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.014**	**J**	0.016	0.0045	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Acenaphthylene	**0.16**		0.016	0.0034	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Anthracene	**0.17**	**F1**	0.016	0.0041	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Benzo[a]anthracene	**0.61**	**F1**	0.016	0.0071	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Client Sample ID: SSHS-IRM5A2-A1-A58C
Date Collected: 11/09/21 14:48
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-3
Matrix: Solid
Percent Solids: 84.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.48**	**F1**	0.016	0.0068	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Benzo[b]fluoranthene	**0.70**	**F1**	0.016	0.0039	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Benzo[g,h,i]perylene	**0.38**	**F1**	0.016	0.0034	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Benzo[k]fluoranthene	**0.20**		0.016	0.0047	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Chrysene	**0.58**	**F1**	0.016	0.0087	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Dibenz(a,h)anthracene	**0.11**		0.016	0.010	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Dibenzofuran	ND		0.078	0.029	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
2,4-Dinitrotoluene	ND		0.078	0.047	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
1,4-Dioxane	ND		0.16	0.024	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Fluoranthene	**0.96**	**F1**	0.016	0.0041	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Fluorene	**0.039**		0.016	0.0031	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Hexachlorobenzene	ND		0.016	0.0056	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Hexachlorobutadiene	ND		0.016	0.0046	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Hexachloroethane	ND		0.078	0.028	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Indeno[1,2,3-cd]pyrene	**0.38**	**F1**	0.016	0.0078	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
2-Methylphenol	ND		0.078	0.022	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Methylphenol, 3 & 4	ND		0.078	0.023	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Naphthalene	**0.051**		0.016	0.0031	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Nitrobenzene	ND		0.16	0.029	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Pentachlorophenol	ND		0.40	0.13	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Phenanthrene	**0.42**	**F1**	0.016	0.0042	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Phenol	ND		0.078	0.024	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Pyrene	**0.99**	**F1**	0.016	0.0037	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
Pyridine	ND	F1	0.16	0.042	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
2,4,5-Trichlorophenol	ND		0.078	0.027	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2
2,4,6-Trichlorophenol	ND		0.078	0.026	mg/Kg	☼	11/11/21 19:32	11/12/21 17:08	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*11/11/21 19:32*	*11/12/21 17:08*	*2*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*11/11/21 19:32*	*11/12/21 17:08*	*2*
Nitrobenzene-d5 (Surr)	*78*		*34 - 109*	*11/11/21 19:32*	*11/12/21 17:08*	*2*
Phenol-d5 (Surr)	*84*		*34 - 105*	*11/11/21 19:32*	*11/12/21 17:08*	*2*
Terphenyl-d14 (Surr)	*91*		*20 - 117*	*11/11/21 19:32*	*11/12/21 17:08*	*2*
2,4,6-Tribromophenol (Surr)	*86*		*20 - 119*	*11/11/21 19:32*	*11/12/21 17:08*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1248	ND		0.020	0.0047	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1254	**0.066**		0.020	0.0059	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1260	**0.026**		0.020	0.0056	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	11/11/21 22:16	11/12/21 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*11/11/21 22:16*	*11/12/21 17:37*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/11/21 22:16*	*11/12/21 17:37*	*1*

Client Sample ID: SSHS-IRM5A2-A1-A58C — Lab Sample ID: 180-129746-3

Date Collected: 11/09/21 14:48 — **Matrix: Solid**
Date Received: 11/10/21 10:00 — **Percent Solids: 84.4**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*11/11/21 22:16*	*11/12/21 17:37*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*11/11/21 22:16*	*11/12/21 17:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		1.6	0.33	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Barium	**120**		21	0.38	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Beryllium	**0.50**	**J**	0.53	0.057	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Cadmium	**1.7**		1.1	0.10	mg/Kg	☼	11/11/21 14:00	11/12/21 18:36	2
Chromium	**97**		1.1	0.36	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Copper	**1000**		5.3	0.50	mg/Kg	☼	11/11/21 14:00	11/12/21 18:36	2
Lead	**130**		2.1	0.60	mg/Kg	☼	11/11/21 14:00	11/12/21 18:36	2
Manganese	**570**		1.6	1.2	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Nickel	**330**		8.5	0.49	mg/Kg	☼	11/11/21 14:00	11/12/21 18:36	2
Selenium	**0.51**	**J**	2.1	0.50	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Silver	ND		1.1	0.086	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1
Zinc	**670**		5.3	1.4	mg/Kg	☼	11/11/21 14:00	11/12/21 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.095**	**J**	0.12	0.021	mg/Kg	☼	11/11/21 14:00	11/12/21 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.51**	**J**	0.62	0.23	mg/Kg	☼	11/15/21 13:07	11/15/21 16:08	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/16/21 15:35	11/17/21 17:11	1
Percent Solids	**84.4**		0.1	0.1	%			11/11/21 10:40	1
Percent Moisture	**15.6**		0.1	0.1	%			11/11/21 10:40	1

Client Sample ID: SSHS-IRM5A2-A1-A59A — Lab Sample ID: 180-129746-4

Date Collected: 11/09/21 15:15 — **Matrix: Solid**
Date Received: 11/10/21 10:00 — **Percent Solids: 82.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.022	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Benzene	ND		0.0051	0.00072	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
2-Butanone (MEK)	ND		0.021	0.0037	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Carbon tetrachloride	ND		0.0051	0.0033	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Chlorobenzene	ND		0.0051	0.00094	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Chloroform	ND		0.0051	0.00081	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,2-Dichlorobenzene	ND	*3	0.0051	0.0011	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,3-Dichlorobenzene	ND	*3	0.0051	0.00084	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,4-Dichlorobenzene	ND	*3	0.0051	0.00091	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,1-Dichloroethane	ND		0.0051	0.00071	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,2-Dichloroethane	ND		0.0051	0.00079	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,1-Dichloroethene	ND		0.0051	0.0019	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,4-Dioxane	ND		0.26	0.074	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Ethylbenzene	ND		0.0051	0.0011	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1

Client Sample ID: SSHS-IRM5A2-A1-A59A — Lab Sample ID: 180-129746-4

Date Collected: 11/09/21 15:15 — **Matrix: Solid**
Date Received: 11/10/21 10:00 — **Percent Solids: 82.4**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.026	0.012	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Methyl tert-butyl ether	ND		0.0051	0.0020	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
n-Butylbenzene	ND	*3	0.0051	0.0036	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
N-Propylbenzene	ND	*3	0.0051	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
sec-Butylbenzene	ND	*3	0.0051	0.0019	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
tert-Butylbenzene	ND	*3	0.0051	0.0026	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Tetrachloroethene	ND		0.0051	0.00075	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Toluene	ND		0.0051	0.00079	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
trans-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,1,1-Trichloroethane	ND		0.0051	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Trichloroethene	ND		0.0051	0.00065	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,2,4-Trimethylbenzene	ND	*3	0.0051	0.0024	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
1,3,5-Trimethylbenzene	ND	*3	0.0051	0.0020	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Vinyl chloride	ND		0.0051	0.0018	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg	☼	11/10/21 11:01	11/13/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*46*		*41 - 143*	*11/10/21 11:01*	*11/13/21 16:43*	*1*
Dibromofluoromethane (Surr)	*102*		*41 - 138*	*11/10/21 11:01*	*11/13/21 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*58 - 125*	*11/10/21 11:01*	*11/13/21 16:43*	*1*
Toluene-d8 (Surr)	*107*		*56 - 125*	*11/10/21 11:01*	*11/13/21 16:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**82.4**		0.1	0.1	%			11/11/21 10:40	1
Percent Moisture	**17.6**		0.1	0.1	%			11/11/21 10:40	1

Client Sample ID: SSHS-IRM5A2-A1-A59B — Lab Sample ID: 180-129746-5

Date Collected: 11/09/21 15:15 — **Matrix: Solid**
Date Received: 11/10/21 10:00 — **Percent Solids: 85.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	0.025	0.021	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Benzene	ND		0.0050	0.00070	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Chloroform	ND		0.0050	0.00079	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,2-Dichlorobenzene	ND	*3	0.0050	0.0011	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,3-Dichlorobenzene	ND	*3	0.0050	0.00082	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,4-Dichlorobenzene	ND	*3	0.0050	0.00088	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,4-Dioxane	ND		0.25	0.073	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Methylene Chloride	ND	*+	0.025	0.012	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1

Client Sample ID: SSHS-IRM5A2-A1-A59B
Lab Sample ID: 180-129746-5
Date Collected: 11/09/21 15:15 **Matrix: Solid**
Date Received: 11/10/21 10:00 **Percent Solids: 85.6**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	*3	0.0050	0.0035	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
N-Propylbenzene	ND	*3	0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
sec-Butylbenzene	ND	*3	0.0050	0.0019	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
tert-Butylbenzene	ND	*3	0.0050	0.0025	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Toluene	ND		0.0050	0.00078	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,2,4-Trimethylbenzene	ND	*3	0.0050	0.0023	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
1,3,5-Trimethylbenzene	ND	*3	0.0050	0.0019	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg	☼	11/10/21 11:01	11/12/21 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*3*	*41 - 143*	*11/10/21 11:01*	*11/12/21 22:40*	*1*
Dibromofluoromethane (Surr)	*93*		*41 - 138*	*11/10/21 11:01*	*11/12/21 22:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*58 - 125*	*11/10/21 11:01*	*11/12/21 22:40*	*1*
Toluene-d8 (Surr)	*105*		*56 - 125*	*11/10/21 11:01*	*11/12/21 22:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85.6**		0.1	0.1	%			11/11/21 10:40	1
Percent Moisture	**14.4**		0.1	0.1	%			11/11/21 10:40	1

Client Sample ID: SSHS-IRM5A2-A1-A59C
Lab Sample ID: 180-129746-6
Date Collected: 11/09/21 15:10 **Matrix: Solid**
Date Received: 11/10/21 10:00 **Percent Solids: 87.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.034**		0.015	0.0043	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Acenaphthylene	**0.25**		0.015	0.0032	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Anthracene	**0.55**		0.015	0.0038	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Benzo[a]anthracene	**0.94**		0.015	0.0067	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Benzo[a]pyrene	**0.68**		0.015	0.0064	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Benzo[b]fluoranthene	**0.87**		0.015	0.0036	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Benzo[g,h,i]perylene	**0.48**		0.015	0.0032	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Benzo[k]fluoranthene	**0.31**		0.015	0.0044	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Chrysene	**0.84**		0.015	0.0082	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Dibenz(a,h)anthracene	**0.14**		0.015	0.0095	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Dibenzofuran	**0.055**	**J**	0.073	0.027	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
2,4-Dinitrotoluene	ND		0.073	0.044	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Fluoranthene	**2.1**		0.015	0.0039	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Fluorene	**0.14**		0.015	0.0029	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Hexachlorobenzene	ND		0.015	0.0053	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Hexachlorobutadiene	ND		0.015	0.0043	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Hexachloroethane	ND		0.073	0.026	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Indeno[1,2,3-cd]pyrene	**0.50**		0.015	0.0074	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2

Client Sample ID: SSHS-IRM5A2-A1-A59C
Date Collected: 11/09/21 15:10
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-6
Matrix: Solid
Percent Solids: 87.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.073	0.021	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Methylphenol, 3 & 4	ND		0.073	0.022	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Naphthalene	**0.045**		0.015	0.0029	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Phenanthrene	**1.2**		0.015	0.0040	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Phenol	ND		0.073	0.022	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Pyrene	**1.6**		0.015	0.0035	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
Pyridine	ND		0.15	0.040	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
2,4,5-Trichlorophenol	ND		0.073	0.026	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2
2,4,6-Trichlorophenol	ND		0.073	0.025	mg/Kg	☼	11/11/21 19:32	11/12/21 18:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*11/11/21 19:32*	*11/12/21 18:15*	*2*
2-Fluorophenol (Surr)	*56*		*32 - 105*	*11/11/21 19:32*	*11/12/21 18:15*	*2*
Nitrobenzene-d5 (Surr)	*58*		*34 - 109*	*11/11/21 19:32*	*11/12/21 18:15*	*2*
Phenol-d5 (Surr)	*59*		*34 - 105*	*11/11/21 19:32*	*11/12/21 18:15*	*2*
Terphenyl-d14 (Surr)	*62*		*20 - 117*	*11/11/21 19:32*	*11/12/21 18:15*	*2*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*11/11/21 19:32*	*11/12/21 18:15*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1248	**0.69**		0.019	0.0045	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1254	**0.38**		0.019	0.0056	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1260	**0.12**		0.019	0.0053	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/11/21 22:16	11/12/21 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*11/11/21 22:16*	*11/12/21 18:33*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*11/11/21 22:16*	*11/12/21 18:33*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*11/11/21 22:16*	*11/12/21 18:33*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*11/11/21 22:16*	*11/12/21 18:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		1.4	0.30	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Barium	**100**		19	0.34	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Beryllium	**0.44**	**J**	0.47	0.050	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Cadmium	**0.18**	**J**	0.47	0.045	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Chromium	**17**		0.93	0.32	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Copper	**65**		2.3	0.22	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Lead	**39**		0.93	0.26	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Manganese	**460**		1.4	1.0	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Nickel	**44**		3.7	0.22	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Selenium	ND		1.9	0.44	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

Client Sample ID: SSHS-IRM5A2-A1-A59C
Date Collected: 11/09/21 15:10
Date Received: 11/10/21 10:00

Lab Sample ID: 180-129746-6
Matrix: Solid
Percent Solids: 87.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.93	0.076	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1
Zinc	**93**		4.7	1.3	mg/Kg	☼	11/11/21 14:00	11/12/21 12:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**	**J**	0.12	0.022	mg/Kg	☼	11/11/21 14:00	11/12/21 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.43**	**J**	0.59	0.23	mg/Kg	☼	11/15/21 13:07	11/15/21 16:10	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/16/21 15:35	11/17/21 17:12	1
Percent Solids	**87.8**		0.1	0.1	%			11/11/21 10:40	1
Percent Moisture	**12.2**		0.1	0.1	%			11/11/21 10:40	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 240-512756/5
Matrix: Solid
Analysis Batch: 512756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.167	*+	mg/Kg		167	58 - 160
Benzene	0.0500	0.0523		mg/Kg		105	76 - 121
2-Butanone (MEK)	0.100	0.130		mg/Kg		130	63 - 142
Carbon tetrachloride	0.0500	0.0596		mg/Kg		119	64 - 144
Chlorobenzene	0.0500	0.0513		mg/Kg		103	80 - 120
Chloroform	0.0500	0.0544		mg/Kg		109	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0545		mg/Kg		109	78 - 124
1,2-Dichlorobenzene	0.0500	0.0512		mg/Kg		102	73 - 120
1,3-Dichlorobenzene	0.0500	0.0520		mg/Kg		104	73 - 120
1,4-Dichlorobenzene	0.0500	0.0510		mg/Kg		102	74 - 120
1,1-Dichloroethane	0.0500	0.0547		mg/Kg		109	74 - 121
1,2-Dichloroethane	0.0500	0.0543		mg/Kg		109	71 - 123
1,1-Dichloroethene	0.0500	0.0590		mg/Kg		118	68 - 141
1,4-Dioxane	1.00	1.22		mg/Kg		122	57 - 147
Ethylbenzene	0.0500	0.0520		mg/Kg		104	80 - 120
Methylene Chloride	0.0500	0.0649	*+	mg/Kg		130	71 - 124
Methyl tert-butyl ether	0.0500	0.0561		mg/Kg		112	70 - 130
n-Butylbenzene	0.0500	0.0497		mg/Kg		99	70 - 135
N-Propylbenzene	0.0500	0.0527		mg/Kg		105	78 - 126
sec-Butylbenzene	0.0500	0.0524		mg/Kg		105	77 - 130
tert-Butylbenzene	0.0500	0.0536		mg/Kg		107	79 - 128
Tetrachloroethene	0.0500	0.0549		mg/Kg		110	76 - 127
Toluene	0.0500	0.0500		mg/Kg		100	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0586		mg/Kg		117	76 - 130
1,1,1-Trichloroethane	0.0500	0.0597		mg/Kg		119	74 - 136
Trichloroethene	0.0500	0.0563		mg/Kg		113	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0523		mg/Kg		105	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0525		mg/Kg		105	79 - 128
Vinyl chloride	0.0200	0.0205		mg/Kg		102	49 - 146
Xylenes, Total	0.100	0.105		mg/Kg		105	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*41 - 143*
Dibromofluoromethane (Surr)	*91*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*80*		*58 - 125*
Toluene-d8 (Surr)	*94*		*56 - 125*

Lab Sample ID: MB 240-512766/1-A
Matrix: Solid
Analysis Batch: 512756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/12/21 15:56	11/12/21 18:39	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-512766/1-A
Matrix: Solid
Analysis Batch: 512756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/12/21 18:39	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/12/21 15:56	11/12/21 18:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*41 - 143*	*11/12/21 15:56*	*11/12/21 18:39*	*1*
Dibromofluoromethane (Surr)	*91*		*41 - 138*	*11/12/21 15:56*	*11/12/21 18:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*58 - 125*	*11/12/21 15:56*	*11/12/21 18:39*	*1*
Toluene-d8 (Surr)	*96*		*56 - 125*	*11/12/21 15:56*	*11/12/21 18:39*	*1*

Lab Sample ID: MB 240-512766/2-A
Matrix: Solid
Analysis Batch: 512802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/12/21 15:56	11/13/21 09:31	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-512766/2-A
Matrix: Solid
Analysis Batch: 512802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/12/21 15:56	11/13/21 09:31	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/12/21 15:56	11/13/21 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*41 - 143*	*11/12/21 15:56*	*11/13/21 09:31*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/12/21 15:56*	*11/13/21 09:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*58 - 125*	*11/12/21 15:56*	*11/13/21 09:31*	*1*
Toluene-d8 (Surr)	*83*		*56 - 125*	*11/12/21 15:56*	*11/13/21 09:31*	*1*

Lab Sample ID: LCS 240-512802/6
Matrix: Solid
Analysis Batch: 512802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.108		mg/Kg		108	58 - 160
Benzene	0.0500	0.0480		mg/Kg		96	76 - 121
2-Butanone (MEK)	0.100	0.107		mg/Kg		107	63 - 142
Carbon tetrachloride	0.0500	0.0577		mg/Kg		115	64 - 144
Chlorobenzene	0.0500	0.0457		mg/Kg		91	80 - 120
Chloroform	0.0500	0.0477		mg/Kg		95	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0490		mg/Kg		98	78 - 124
1,2-Dichlorobenzene	0.0500	0.0459		mg/Kg		92	73 - 120
1,3-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	73 - 120
1,4-Dichlorobenzene	0.0500	0.0462		mg/Kg		92	74 - 120
1,1-Dichloroethane	0.0500	0.0478		mg/Kg		96	74 - 121
1,2-Dichloroethane	0.0500	0.0437		mg/Kg		87	71 - 123
1,1-Dichloroethene	0.0500	0.0511		mg/Kg		102	68 - 141
1,4-Dioxane	1.00	0.892		mg/Kg		89	57 - 147
Ethylbenzene	0.0500	0.0498		mg/Kg		100	80 - 120
Methylene Chloride	0.0500	0.0569		mg/Kg		114	71 - 124
Methyl tert-butyl ether	0.0500	0.0451		mg/Kg		90	70 - 130
n-Butylbenzene	0.0500	0.0494		mg/Kg		99	70 - 135

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-512802/6
Matrix: Solid
Analysis Batch: 512802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0500	0.0512		mg/Kg		102	78 - 126
sec-Butylbenzene	0.0500	0.0499		mg/Kg		100	77 - 130
tert-Butylbenzene	0.0500	0.0489		mg/Kg		98	79 - 128
Tetrachloroethene	0.0500	0.0510		mg/Kg		102	76 - 127
Toluene	0.0500	0.0460		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0513		mg/Kg		103	76 - 130
1,1,1-Trichloroethane	0.0500	0.0521		mg/Kg		104	74 - 136
Trichloroethene	0.0500	0.0524		mg/Kg		105	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0492		mg/Kg		98	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0498		mg/Kg		100	79 - 128
Vinyl chloride	0.0200	0.0218		mg/Kg		109	49 - 146
Xylenes, Total	0.100	0.100		mg/Kg		100	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*41 - 143*
Dibromofluoromethane (Surr)	*95*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*85*		*58 - 125*
Toluene-d8 (Surr)	*91*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-378667/1-A
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/11/21 19:32	11/12/21 12:40	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-378667/1-A
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Phenol	ND		0.033	0.010	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
Pyridine	ND		0.067	0.018	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/11/21 19:32	11/12/21 12:40	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/11/21 19:32	11/12/21 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*11/11/21 19:32*	*11/12/21 12:40*	*1*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*11/11/21 19:32*	*11/12/21 12:40*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*11/11/21 19:32*	*11/12/21 12:40*	*1*
Phenol-d5 (Surr)	*76*		*34 - 105*	*11/11/21 19:32*	*11/12/21 12:40*	*1*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*11/11/21 19:32*	*11/12/21 12:40*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*11/11/21 19:32*	*11/12/21 12:40*	*1*

Lab Sample ID: LCS 180-378667/2-A
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.476		mg/Kg		71	41 - 100
Acenaphthylene	0.667	0.483		mg/Kg		72	45 - 100
Anthracene	0.667	0.505		mg/Kg		76	47 - 100
Benzo[a]anthracene	0.667	0.542		mg/Kg		81	47 - 100
Benzo[a]pyrene	0.667	0.474		mg/Kg		71	45 - 101
Benzo[b]fluoranthene	0.667	0.474		mg/Kg		71	44 - 100
Benzo[g,h,i]perylene	0.667	0.449		mg/Kg		67	45 - 103
Benzo[k]fluoranthene	0.667	0.446		mg/Kg		67	43 - 100
Chrysene	0.667	0.487		mg/Kg		73	44 - 100
Dibenz(a,h)anthracene	0.667	0.499		mg/Kg		75	46 - 107
Dibenzofuran	0.667	0.475		mg/Kg		71	47 - 100
2,4-Dinitrotoluene	0.667	0.531		mg/Kg		80	48 - 106
1,4-Dioxane	0.667	0.447		mg/Kg		67	10 - 133
Fluoranthene	0.667	0.513		mg/Kg		77	49 - 102
Fluorene	0.667	0.482		mg/Kg		72	46 - 100
Hexachlorobenzene	0.667	0.466		mg/Kg		70	45 - 101
Hexachlorobutadiene	0.667	0.464		mg/Kg		70	38 - 110
Hexachloroethane	0.667	0.483		mg/Kg		72	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.496		mg/Kg		74	48 - 104
2-Methylphenol	0.667	0.508		mg/Kg		76	43 - 101
Methylphenol, 3 & 4	0.667	0.508		mg/Kg		76	43 - 104
Naphthalene	0.667	0.483		mg/Kg		72	43 - 100
Nitrobenzene	0.667	0.488		mg/Kg		73	43 - 107
Pentachlorophenol	1.33	1.06		mg/Kg		79	34 - 112
Phenanthrene	0.667	0.483		mg/Kg		73	46 - 100
Phenol	0.667	0.524		mg/Kg		79	42 - 103
Pyrene	0.667	0.513		mg/Kg		77	44 - 102

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-378667/2-A
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378667

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pyridine			1.33	1.09		mg/Kg		82	25 - 109		
2,4,5-Trichlorophenol			0.667	0.515		mg/Kg		77	47 - 108		
2,4,6-Trichlorophenol			0.667	0.484		mg/Kg		73	47 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*35 - 105*
2-Fluorophenol (Surr)	*83*		*32 - 105*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*
Phenol-d5 (Surr)	*79*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*

Lab Sample ID: 180-129746-3 MS
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	0.014	J	0.779	0.577		mg/Kg	☼	72	41 - 100		
Acenaphthylene	0.16		0.779	0.734		mg/Kg	☼	74	45 - 100		
Anthracene	0.17	F1	0.779	0.924		mg/Kg	☼	97	47 - 100		
Benzo[a]anthracene	0.61	F1	0.779	1.86	F1	mg/Kg	☼	160	47 - 100		
Benzo[a]pyrene	0.48	F1	0.779	1.37	F1	mg/Kg	☼	115	45 - 101		
Benzo[b]fluoranthene	0.70	F1	0.779	1.77	F1	mg/Kg	☼	138	44 - 100		
Benzo[g,h,i]perylene	0.38	F1	0.779	1.25	F1	mg/Kg	☼	112	45 - 103		
Benzo[k]fluoranthene	0.20		0.779	0.844		mg/Kg	☼	83	43 - 100		
Chrysene	0.58	F1	0.779	1.70	F1	mg/Kg	☼	144	44 - 100		
Dibenz(a,h)anthracene	0.11		0.779	0.834		mg/Kg	☼	93	46 - 107		
Dibenzofuran	ND		0.779	0.596		mg/Kg	☼	76	47 - 100		
2,4-Dinitrotoluene	ND		0.779	0.576		mg/Kg	☼	74	48 - 106		
1,4-Dioxane	ND		0.779	0.326		mg/Kg	☼	42	10 - 133		
Fluoranthene	0.96	F1	0.779	2.86	F1	mg/Kg	☼	243	49 - 102		
Fluorene	0.039		0.779	0.651		mg/Kg	☼	79	46 - 100		
Hexachlorobenzene	ND		0.779	0.546		mg/Kg	☼	70	45 - 101		
Hexachlorobutadiene	ND		0.779	0.495		mg/Kg	☼	63	38 - 110		
Hexachloroethane	ND		0.779	0.448		mg/Kg	☼	57	40 - 100		
Indeno[1,2,3-cd]pyrene	0.38	F1	0.779	1.30	F1	mg/Kg	☼	119	48 - 104		
2-Methylphenol	ND		0.779	0.483		mg/Kg	☼	62	43 - 101		
Methylphenol, 3 & 4	ND		0.779	0.540		mg/Kg	☼	69	43 - 104		
Naphthalene	0.051		0.779	0.593		mg/Kg	☼	70	43 - 100		
Nitrobenzene	ND		0.779	0.517		mg/Kg	☼	66	43 - 107		
Pentachlorophenol	ND		1.56	0.705		mg/Kg	☼	45	34 - 112		
Phenanthrene	0.42	F1	0.779	1.78	F1	mg/Kg	☼	175	46 - 100		
Phenol	ND		0.779	0.509		mg/Kg	☼	65	42 - 103		
Pyrene	0.99	F1	0.779	2.73	F1	mg/Kg	☼	223	44 - 102		
Pyridine	ND	F1	1.56	0.170	F1	mg/Kg	☼	11	25 - 109		
2,4,5-Trichlorophenol	ND		0.779	0.540		mg/Kg	☼	69	47 - 108		
2,4,6-Trichlorophenol	ND		0.779	0.534		mg/Kg	☼	69	47 - 108		

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-129746-3 MS
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378667

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 105*
2-Fluorophenol (Surr)	*70*		*32 - 105*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*
Phenol-d5 (Surr)	*72*		*34 - 105*
Terphenyl-d14 (Surr)	*79*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*

Lab Sample ID: 180-129746-3 MSD
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.014	J	0.769	0.600		mg/Kg	☼	76	41 - 100	4	22
Acenaphthylene	0.16		0.769	0.783		mg/Kg	☼	82	45 - 100	6	23
Anthracene	0.17	F1	0.769	0.979	F1	mg/Kg	☼	106	47 - 100	6	26
Benzo[a]anthracene	0.61	F1	0.769	1.94	F1	mg/Kg	☼	173	47 - 100	4	24
Benzo[a]pyrene	0.48	F1	0.769	1.39	F1	mg/Kg	☼	119	45 - 101	1	21
Benzo[b]fluoranthene	0.70	F1	0.769	1.78	F1	mg/Kg	☼	140	44 - 100	0	26
Benzo[g,h,i]perylene	0.38	F1	0.769	1.29	F1	mg/Kg	☼	119	45 - 103	3	22
Benzo[k]fluoranthene	0.20		0.769	0.777		mg/Kg	☼	75	43 - 100	8	18
Chrysene	0.58	F1	0.769	1.76	F1	mg/Kg	☼	153	44 - 100	4	26
Dibenz(a,h)anthracene	0.11		0.769	0.913		mg/Kg	☼	105	46 - 107	9	24
Dibenzofuran	ND		0.769	0.612		mg/Kg	☼	80	47 - 100	3	19
2,4-Dinitrotoluene	ND		0.769	0.556		mg/Kg	☼	72	48 - 106	4	20
1,4-Dioxane	ND		0.769	0.373		mg/Kg	☼	49	10 - 133	14	40
Fluoranthene	0.96	F1	0.769	3.16	F1	mg/Kg	☼	286	49 - 102	10	26
Fluorene	0.039		0.769	0.670		mg/Kg	☼	82	46 - 100	3	22
Hexachlorobenzene	ND		0.769	0.569		mg/Kg	☼	74	45 - 101	4	27
Hexachlorobutadiene	ND		0.769	0.515		mg/Kg	☼	67	38 - 110	4	27
Hexachloroethane	ND		0.769	0.451		mg/Kg	☼	59	40 - 100	1	27
Indeno[1,2,3-cd]pyrene	0.38	F1	0.769	1.36	F1	mg/Kg	☼	127	48 - 104	4	22
2-Methylphenol	ND		0.769	0.498		mg/Kg	☼	65	43 - 101	3	27
Methylphenol, 3 & 4	ND		0.769	0.532		mg/Kg	☼	69	43 - 104	2	24
Naphthalene	0.051		0.769	0.608		mg/Kg	☼	72	43 - 100	2	28
Nitrobenzene	ND		0.769	0.539		mg/Kg	☼	70	43 - 107	4	28
Pentachlorophenol	ND		1.54	0.717		mg/Kg	☼	47	34 - 112	2	28
Phenanthrene	0.42	F1	0.769	1.83	F1	mg/Kg	☼	183	46 - 100	3	27
Phenol	ND		0.769	0.527		mg/Kg	☼	68	42 - 103	3	30
Pyrene	0.99	F1	0.769	2.73	F1	mg/Kg	☼	226	44 - 102	0	27
Pyridine	ND	F1	1.54	0.149	J F1	mg/Kg	☼	10	25 - 109	13	31
2,4,5-Trichlorophenol	ND		0.769	0.528		mg/Kg	☼	69	47 - 108	2	19
2,4,6-Trichlorophenol	ND		0.769	0.541		mg/Kg	☼	70	47 - 108	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*32 - 105*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*
Phenol-d5 (Surr)	*73*		*34 - 105*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-129746-3 MSD
Matrix: Solid
Analysis Batch: 378700

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378667

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*79*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-378670/1-A
Matrix: Solid
Analysis Batch: 378704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/11/21 22:16	11/12/21 17:00	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/11/21 22:16	11/12/21 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*11/11/21 22:16*	*11/12/21 17:00*	*1*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*11/11/21 22:16*	*11/12/21 17:00*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*11/11/21 22:16*	*11/12/21 17:00*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*11/11/21 22:16*	*11/12/21 17:00*	*1*

Lab Sample ID: LCS 180-378670/2-A
Matrix: Solid
Analysis Batch: 378704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378670

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.14		mg/Kg		86	43 - 136		
PCB-1260			1.33	1.31		mg/Kg		98	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*

Lab Sample ID: 180-129746-3 MS
Matrix: Solid
Analysis Batch: 378704

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.56	0.963		mg/Kg	☼	62	43 - 136		
PCB-1260	0.026		1.56	0.886		mg/Kg	☼	55	55 - 128		

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-129746-3 MS
Matrix: Solid
Analysis Batch: 378704

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378670

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*

Lab Sample ID: 180-129746-3 MSD
Matrix: Solid
Analysis Batch: 378704

Client Sample ID: SSHS-IRM5A2-A1-A58C
Prep Type: Total/NA
Prep Batch: 378670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.55	1.20		mg/Kg	☼	77	43 - 136	22	40
PCB-1260	0.026		1.55	1.17		mg/Kg	☼	74	55 - 128	28	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-512539/1-A
Matrix: Solid
Analysis Batch: 512737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Barium	ND		20	0.36	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Beryllium	ND		0.50	0.054	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Cadmium	ND		0.50	0.048	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Chromium	ND		1.0	0.34	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Copper	ND		2.5	0.24	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Lead	ND		1.0	0.28	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Manganese	ND		1.5	1.1	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Nickel	ND		4.0	0.23	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Selenium	ND		2.0	0.47	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Silver	ND		1.0	0.081	mg/Kg		11/11/21 14:00	11/12/21 11:16	1
Zinc	ND		5.0	1.4	mg/Kg		11/11/21 14:00	11/12/21 11:16	1

Lab Sample ID: LCS 240-512539/2-A
Matrix: Solid
Analysis Batch: 512737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	202		mg/Kg		101	80 - 120
Barium	200	194		mg/Kg		97	80 - 120
Beryllium	100	101		mg/Kg		101	80 - 120
Cadmium	100	99.9		mg/Kg		100	80 - 120
Chromium	100	98.4		mg/Kg		98	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-512539/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 512737 **Prep Batch: 512539**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	100	96.7		mg/Kg		97	80 - 120
Lead	100	96.9		mg/Kg		97	80 - 120
Manganese	100	97.1		mg/Kg		97	80 - 120
Nickel	100	99.4		mg/Kg		99	80 - 120
Selenium	200	192		mg/Kg		96	80 - 120
Silver	10.0	9.84		mg/Kg		98	80 - 120
Zinc	100	97.3		mg/Kg		97	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-512544/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 512691 **Prep Batch: 512544**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		11/11/21 14:00	11/12/21 09:09	1

Lab Sample ID: LCS 240-512544/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 512691 **Prep Batch: 512544**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.819		mg/Kg		98	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 240-513017/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 513063 **Prep Batch: 513017**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.52	0.20	mg/Kg		11/15/21 13:07	11/15/21 15:48	1

Lab Sample ID: LCS 240-513017/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 513063 **Prep Batch: 513017**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.71	6.04		mg/Kg		106	65 - 128

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-379162/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 379304 **Prep Batch: 379162**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/16/21 15:35	11/17/21 17:00	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-379162/3-A
Matrix: Solid
Analysis Batch: 379304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379162

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	695		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-379162/2-A
Matrix: Solid
Analysis Batch: 379304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379162

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.4		mg/Kg		92	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 180-129746-1 DU
Matrix: Solid
Analysis Batch: 512532

Client Sample ID: SSHS-IRM5A2-A1-A58A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	82.6		85.5		%		3	20
Percent Moisture	17.4		14.5		%		18	20

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

GC/MS VOA

Analysis Batch: 512756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-1	SSHS-IRM5A2-A1-A58A	Total/NA	Solid	8260C	512766
180-129746-5	SSHS-IRM5A2-A1-A59B	Total/NA	Solid	8260C	512766
MB 240-512766/1-A	Method Blank	Total/NA	Solid	8260C	512766
LCS 240-512756/5	Lab Control Sample	Total/NA	Solid	8260C	

Prep Batch: 512766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-1	SSHS-IRM5A2-A1-A58A	Total/NA	Solid	5035	
180-129746-2	SSHS-IRM5A2-A1-A58B	Total/NA	Solid	5035	
180-129746-4	SSHS-IRM5A2-A1-A59A	Total/NA	Solid	5035	
180-129746-5	SSHS-IRM5A2-A1-A59B	Total/NA	Solid	5035	
MB 240-512766/1-A	Method Blank	Total/NA	Solid	5035	
MB 240-512766/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 512802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-2	SSHS-IRM5A2-A1-A58B	Total/NA	Solid	8260C	512766
180-129746-4	SSHS-IRM5A2-A1-A59A	Total/NA	Solid	8260C	512766
MB 240-512766/2-A	Method Blank	Total/NA	Solid	8260C	512766
LCS 240-512802/6	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 378667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3541	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	3541	
MB 180-378667/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378667/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129746-3 MS	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3541	
180-129746-3 MSD	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3541	

Analysis Batch: 378700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 8270D LL	378667
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	EPA 8270D LL	378667
MB 180-378667/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	378667
LCS 180-378667/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	378667
180-129746-3 MS	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 8270D LL	378667
180-129746-3 MSD	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 8270D LL	378667

GC Semi VOA

Prep Batch: 378670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3541	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	3541	
MB 180-378670/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378670/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129746-3 MS	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3541	
180-129746-3 MSD	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3541	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129746-1

GC Semi VOA

Analysis Batch: 378704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 8082A	378793
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	EPA 8082A	378793
MB 180-378670/1-A	Method Blank	Total/NA	Solid	EPA 8082A	378670
LCS 180-378670/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	378670
180-129746-3 MS	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 8082A	378793
180-129746-3 MSD	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 8082A	378793

Cleanup Batch: 378792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3665A	378670
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	3665A	378670
180-129746-3 MS	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3665A	378670
180-129746-3 MSD	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3665A	378670

Cleanup Batch: 378793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3660B	378792
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	3660B	378792
180-129746-3 MS	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3660B	378792
180-129746-3 MSD	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3660B	378792

Metals

Prep Batch: 512539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3050B	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	3050B	
MB 240-512539/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-512539/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 512544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	7471B	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	7471B	
MB 240-512544/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-512544/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 512691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	7471B	512544
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	7471B	512544
MB 240-512544/1-A	Method Blank	Total/NA	Solid	7471B	512544
LCS 240-512544/2-A	Lab Control Sample	Total/NA	Solid	7471B	512544

Analysis Batch: 512737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	6010C	512539
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	6010C	512539
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	6010C	512539
MB 240-512539/1-A	Method Blank	Total/NA	Solid	6010C	512539
LCS 240-512539/2-A	Lab Control Sample	Total/NA	Solid	6010C	512539

General Chemistry

Prep Batch: 379162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	3060A	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	3060A	
MB 180-379162/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379162/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379162/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 379304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	EPA 7196A	379162
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	EPA 7196A	379162
MB 180-379162/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379162
LCSI 180-379162/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379162
LCSS 180-379162/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379162

Analysis Batch: 512532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-1	SSHS-IRM5A2-A1-A58A	Total/NA	Solid	Moisture	
180-129746-2	SSHS-IRM5A2-A1-A58B	Total/NA	Solid	Moisture	
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	Moisture	
180-129746-4	SSHS-IRM5A2-A1-A59A	Total/NA	Solid	Moisture	
180-129746-5	SSHS-IRM5A2-A1-A59B	Total/NA	Solid	Moisture	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	Moisture	
180-129746-1 DU	SSHS-IRM5A2-A1-A58A	Total/NA	Solid	Moisture	

Prep Batch: 513017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	9012B	
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	9012B	
MB 240-513017/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 240-513017/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 513063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129746-3	SSHS-IRM5A2-A1-A58C	Total/NA	Solid	9012B	513017
180-129746-6	SSHS-IRM5A2-A1-A59C	Total/NA	Solid	9012B	513017
MB 240-513017/1-A	Method Blank	Total/NA	Solid	9012B	513017
LCS 240-513017/2-A	Lab Control Sample	Total/NA	Solid	9012B	513017

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A58A	11/9/21	1500	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A58B	11/9/21	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A58C	11/9/21	1448	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A59A	11/9/21	1515	G	S	N	N	X									
SSHS-IRM5A2-A1-A59B	11/9/21	1515	G	S	N	N	X									
SSHS-IRM5A2-A1-A59C	11/9/21	1510	C	S	N	N		X	X	X	X	X	X	X		

180-129746 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

29130

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A58A	11/9/21	1500	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A58B	11/9/21	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A1-A58C	11/9/21	1448	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A1-A59A	11/9/21	1515	G	S	N	N	X														
SSHS-IRM5A2-A1-A59B	11/9/21	1515	G	S	N	N	X														
SSHS-IRM5A2-A1-A59C	11/9/21	1510	C	S	N	N		X	X	X	X	X	X	X							

180-129746 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/9			11/10/21 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Geosyntec Site Name _____ Cooler unpacked by: Trent
Cooler Received on 11/10/21 Opened on 11/10/21
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 14 Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 2.9 °C Corrected Cooler Temp. 3.0 °C
IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC157842
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

19. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: X 8 11-10-21 1601

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N								
SSHS-IRM5A2-A1-A58A	11/9/21	1500	G	S	N	N	X														4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A58B	11/9/21	1500	G	S	N	N	X														4	
SSHS-IRM5A2-A1-A58C	11/9/21	1448	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A1-A59A	11/9/21	1515	G	S	N	N	X															
SSHS-IRM5A2-A1-A59B	11/9/21	1515	G	S	N	N	X															
SSHS-IRM5A2-A1-A59C	11/9/21	1510	C	S	N	N		X	X	X	X	X	X	X								

180-129746 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Colin	Date/Time: 11/9	Company	Received by:	Date/Time: 11/10/21 1035	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Tracking # : 7751 4361 0077

180-129746 Field Sheet

Job: ___

SO / ~~PO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 2-07 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 6 Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 4.2 °C Corrected: 4.2 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DK Date: 11/10/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 11-10-21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SD Date: 11-10-21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129746-1

Login Number: 129746
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129952-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/19/2021 9:22:44 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129952-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129952-2

Receipt
The samples were received on 11/13/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 3.2º C and 5.3º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A1C (180-129952-3) and SSHS-IRM5A2-A2-A3C (180-129952-9). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129952-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129952-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	11-17-21
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129952-3	SSHS-IRM5A2-A2-A1C	Solid	11/12/21 15:00	11/13/21 09:30
180-129952-6	SSHS-IRM5A2-A2-A2C	Solid	11/12/21 15:30	11/13/21 09:30
180-129952-9	SSHS-IRM5A2-A2-A3C	Solid	11/12/21 16:00	11/13/21 09:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-2

Client Sample ID: SSHS-IRM5A2-A2-A1C

Lab Sample ID: 180-129952-3
Date Collected: 11/12/21 15:00
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	543214	11/16/21 12:56	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			543640	11/17/21 19:26	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A2C

Lab Sample ID: 180-129952-6
Date Collected: 11/12/21 15:30
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.61 g	10.0 mL	543214	11/16/21 12:56	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			543640	11/17/21 19:57	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A3C

Lab Sample ID: 180-129952-9
Date Collected: 11/12/21 16:00
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	543214	11/16/21 12:56	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			543640	11/17/21 20:07	RS1	TAL SAC
	Instrument ID: A9									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-2

Client Sample ID: SSHS-IRM5A2-A2-A1C
Date Collected: 11/12/21 15:00
Date Received: 11/13/21 09:30

Lab Sample ID: 180-129952-3
Matrix: Solid
Percent Solids: 85.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.066**	**J**	0.23	0.053	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorooctanoic acid (PFOA)	**0.073**	**J**	0.23	0.061	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorotetradecanoic acid (PFTeA)	**0.045**	**J**	0.23	0.043	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J I**	0.23	0.050	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	11/16/21 12:56	11/17/21 19:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C5 PFPeA	*107*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C2 PFHxA	*137*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C4 PFHpA	*121*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C4 PFOA	*108*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C5 PFNA	*101*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C2 PFDA	*101*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C2 PFUnA	*105*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C3 PFBS	*123*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
18O2 PFHxS	*93*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C4 PFOS	*92*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
13C8 FOSA	*96*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:26*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A2C
Date Collected: 11/12/21 15:30
Date Received: 11/13/21 09:30

Lab Sample ID: 180-129952-6
Matrix: Solid
Percent Solids: 83.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.15**	**J**	0.21	0.049	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluoropentanoic acid (PFPeA)	**0.049**	**J**	0.21	0.044	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J**	0.21	0.033	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.21	0.057	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorononanoic acid (PFNA)	**0.046**	**J**	0.21	0.024	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorotetradecanoic acid (PFTeA)	**0.045**	**J**	0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.26**		0.21	0.046	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/16/21 12:56	11/17/21 19:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C5 PFPeA	*105*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C2 PFHxA	*131*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C4 PFHpA	*111*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C4 PFOA	*101*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C2 PFDA	*100*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C2 PFUnA	*102*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C2 PFDoA	*85*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C2 PFTeDA	*70*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C3 PFBS	*130*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
18O2 PFHxS	*94*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C4 PFOS	*93*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
13C8 FOSA	*89*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*11/16/21 12:56*	*11/17/21 19:57*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-2

Client Sample ID: SSHS-IRM5A2-A2-A3C
Date Collected: 11/12/21 16:00
Date Received: 11/13/21 09:30

Lab Sample ID: 180-129952-9
Matrix: Solid
Percent Solids: 84.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.066**	**J**	0.23	0.053	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.062	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J I**	0.23	0.050	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	11/16/21 12:56	11/17/21 20:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C5 PFPeA	*109*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C2 PFHxA	*135*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C4 PFHpA	*113*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C4 PFOA	*103*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C5 PFNA	*101*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C2 PFDA	*101*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C2 PFUnA	*107*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C2 PFDoA	*83*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C2 PFTeDA	*66*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C3 PFBS	*139*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
18O2 PFHxS	*99*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C4 PFOS	*99*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
13C8 FOSA	*96*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
d5-NEtFOSAA	*111*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
M2-6:2 FTS	*97*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*11/16/21 12:56*	*11/17/21 20:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-543214/1-A
Matrix: Solid
Analysis Batch: 543418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/16/21 12:56	11/17/21 10:44	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/16/21 12:56	11/17/21 10:44	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C5 PFPeA	*100*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C2 PFHxA	*117*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C4 PFHpA	*108*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C4 PFOA	*102*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C2 PFDA	*100*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C2 PFUnA	*100*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C3 PFBS	*124*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
18O2 PFHxS	*95*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C4 PFOS	*96*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
13C8 FOSA	*93*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*11/16/21 12:56*	*11/17/21 10:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-543214/2-A
Matrix: Solid
Analysis Batch: 543418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.04		ug/Kg		102	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.97		ug/Kg		98	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.69		ug/Kg		84	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.88		ug/Kg		94	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.93		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.88		ug/Kg		94	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.99		ug/Kg		99	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.13		ug/Kg		106	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.84		ug/Kg		92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.73		ug/Kg		87	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.53		ug/Kg		87	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.76		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.82		ug/Kg		95	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.80		ug/Kg		97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.90		ug/Kg		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.88		ug/Kg		94	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.85		ug/Kg		92	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.91		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.86		ug/Kg		98	73 - 139
8:2 FTS	1.92	1.80		ug/Kg		94	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*91*		*25 - 150*
13C5 PFPeA	*110*		*25 - 150*
13C2 PFHxA	*135*		*25 - 150*
13C4 PFHpA	*121*		*25 - 150*
13C4 PFOA	*107*		*25 - 150*
13C5 PFNA	*102*		*25 - 150*
13C2 PFDA	*106*		*25 - 150*
13C2 PFUnA	*104*		*25 - 150*
13C2 PFDoA	*96*		*25 - 150*
13C2 PFTeDA	*98*		*25 - 150*
13C3 PFBS	*134*		*25 - 150*
18O2 PFHxS	*102*		*25 - 150*
13C4 PFOS	*104*		*25 - 150*
13C8 FOSA	*101*		*25 - 150*
d3-NMeFOSAA	*101*		*25 - 150*
d5-NEtFOSAA	*108*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-543214/2-A
Matrix: Solid
Analysis Batch: 543418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543214

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	97		25 - 150

Lab Sample ID: LCSD 320-543214/3-A
Matrix: Solid
Analysis Batch: 543418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 543214

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			2.00	2.07		ug/Kg		104	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)			2.00	2.01		ug/Kg		100	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)			2.00	1.69		ug/Kg		85	71 - 131	0	30
Perfluoroheptanoic acid (PFHpA)			2.00	2.01		ug/Kg		101	71 - 131	5	30
Perfluorooctanoic acid (PFOA)			2.00	1.93		ug/Kg		96	72 - 132	3	30
Perfluorononanoic acid (PFNA)			2.00	1.97		ug/Kg		98	73 - 133	2	30
Perfluorodecanoic acid (PFDA)			2.00	1.96		ug/Kg		98	72 - 132	4	30
Perfluoroundecanoic acid (PFUnA)			2.00	1.72		ug/Kg		86	66 - 126	14	30
Perfluorododecanoic acid (PFDoA)			2.00	2.10		ug/Kg		105	71 - 131	1	30
Perfluorotridecanoic acid (PFTriA)			2.00	1.88		ug/Kg		94	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)			2.00	1.92		ug/Kg		96	67 - 127	10	30
Perfluorobutanesulfonic acid (PFBS)			1.77	1.48		ug/Kg		84	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.83		ug/Kg		100	62 - 122	4	30
Perfluoroheptanesulfonic Acid (PFHpS)			1.90	1.79		ug/Kg		94	76 - 136	1	30
Perfluorooctanesulfonic acid (PFOS)			1.86	1.73		ug/Kg		93	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)			1.93	1.72		ug/Kg		89	71 - 131	10	30
Perfluorooctanesulfonamide (FOSA)			2.00	2.01		ug/Kg		100	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	2.04		ug/Kg		102	72 - 132	10	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	1.77		ug/Kg		88	72 - 132	8	30
6:2 FTS			1.90	1.77		ug/Kg		94	73 - 139	5	30
8:2 FTS			1.92	2.03		ug/Kg		106	75 - 135	12	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	85		25 - 150
13C5 PFPeA	103		25 - 150
13C2 PFHxA	127		25 - 150
13C4 PFHpA	114		25 - 150
13C4 PFOA	105		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	102		25 - 150
13C2 PFUnA	103		25 - 150
13C2 PFDoA	93		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-543214/3-A
Matrix: Solid
Analysis Batch: 543418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 543214

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	88		25 - 150
13C3 PFBS	132		25 - 150
18O2 PFHxS	97		25 - 150
13C4 PFOS	102		25 - 150
13C8 FOSA	92		25 - 150
d3-NMeFOSAA	93		25 - 150
d5-NEtFOSAA	105		25 - 150
M2-6:2 FTS	91		25 - 150
M2-8:2 FTS	84		25 - 150

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 543640

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 543214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.066	J	2.21	2.35		ug/Kg	☼	104	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.21	2.13		ug/Kg	☼	96	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.21	1.94		ug/Kg	☼	88	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.21	2.01		ug/Kg	☼	91	71 - 131
Perfluorooctanoic acid (PFOA)	0.073	J	2.21	2.48		ug/Kg	☼	109	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.21	2.13		ug/Kg	☼	96	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.21	2.03		ug/Kg	☼	92	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.21	2.16		ug/Kg	☼	98	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.21	2.24		ug/Kg	☼	101	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.21	1.71		ug/Kg	☼	77	71 - 131
Perfluorotetradecanoic acid (PFTeA)	0.045	J	2.21	1.91		ug/Kg	☼	84	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.95	1.62		ug/Kg	☼	83	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.01	2.05		ug/Kg	☼	102	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.10	1.95		ug/Kg	☼	93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.14	J I	2.05	2.23		ug/Kg	☼	102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.13	1.71		ug/Kg	☼	80	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.21	2.10		ug/Kg	☼	95	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.21	2.13		ug/Kg	☼	97	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.21	2.10		ug/Kg	☼	95	72 - 132
6:2 FTS	ND		2.09	1.88		ug/Kg	☼	90	73 - 139
8:2 FTS	ND		2.11	2.03		ug/Kg	☼	96	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	84		25 - 150
13C5 PFPeA	111		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 543640

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 543214

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFHxA	135		25 - 150
13C4 PFHpA	120		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	111		25 - 150
13C2 PFDA	109		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	78		25 - 150
13C2 PFTeDA	66		25 - 150
13C3 PFBS	131		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	94		25 - 150
13C8 FOSA	95		25 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	98		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	94		25 - 150

Lab Sample ID: 180-129952-3 MSD
Matrix: Solid
Analysis Batch: 543640

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 543214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.066	J	2.22	2.44		ug/Kg	☼	107	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	ND		2.22	2.19		ug/Kg	☼	98	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	ND		2.22	1.92		ug/Kg	☼	87	71 - 131	1	30
Perfluoroheptanoic acid (PFHpA)	ND		2.22	2.15		ug/Kg	☼	97	71 - 131	7	30
Perfluorooctanoic acid (PFOA)	0.073	J	2.22	2.13		ug/Kg	☼	92	72 - 132	15	30
Perfluorononanoic acid (PFNA)	ND		2.22	2.12		ug/Kg	☼	95	73 - 133	0	30
Perfluorodecanoic acid (PFDA)	ND		2.22	2.08		ug/Kg	☼	93	72 - 132	2	30
Perfluoroundecanoic acid (PFUnA)	ND		2.22	2.04		ug/Kg	☼	92	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.22	2.26		ug/Kg	☼	102	71 - 131	1	30
Perfluorotridecanoic acid (PFTriA)	ND		2.22	1.66		ug/Kg	☼	75	71 - 131	3	30
Perfluorotetradecanoic acid (PFTeA)	0.045	J	2.22	1.89		ug/Kg	☼	83	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.97	1.54		ug/Kg	☼	78	69 - 129	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.02	1.95		ug/Kg	☼	96	62 - 122	5	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.12	1.86		ug/Kg	☼	88	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	0.14	J I	2.06	2.06		ug/Kg	☼	93	68 - 141	8	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.14	1.68		ug/Kg	☼	79	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	ND		2.22	2.15		ug/Kg	☼	97	77 - 137	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.22	2.17		ug/Kg	☼	97	72 - 132	1	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129952-3 MSD
Client Sample ID: SSHS-IRM5A2-A2-A1C
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 543640
Prep Batch: 543214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.22	2.15		ug/Kg	☼	96	72 - 132	2	30
6:2 FTS	ND		2.11	1.92		ug/Kg	☼	91	73 - 139	2	30
8:2 FTS	ND		2.13	2.07		ug/Kg	☼	97	75 - 135	2	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*87*		*25 - 150*
13C5 PFPeA	*101*		*25 - 150*
13C2 PFHxA	*128*		*25 - 150*
13C4 PFHpA	*113*		*25 - 150*
13C4 PFOA	*105*		*25 - 150*
13C5 PFNA	*101*		*25 - 150*
13C2 PFDA	*109*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*84*		*25 - 150*
13C2 PFTeDA	*69*		*25 - 150*
13C3 PFBS	*128*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*97*		*25 - 150*
13C8 FOSA	*95*		*25 - 150*
d3-NMeFOSAA	*94*		*25 - 150*
d5-NEtFOSAA	*102*		*25 - 150*
M2-6:2 FTS	*88*		*25 - 150*
M2-8:2 FTS	*85*		*25 - 150*

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-2

LCMS

Prep Batch: 543214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	SHAKE	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	SHAKE	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	SHAKE	
MB 320-543214/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-543214/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCSD 320-543214/3-A	Lab Control Sample Dup	Total/NA	Solid	SHAKE	
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	SHAKE	
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	SHAKE	

Analysis Batch: 543418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-543214/1-A	Method Blank	Total/NA	Solid	537 (modified)	543214
LCS 320-543214/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	543214
LCSD 320-543214/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	543214

Analysis Batch: 543640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	537 (modified)	543214
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	537 (modified)	543214
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	537 (modified)	543214
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	537 (modified)	543214
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	537 (modified)	543214

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A60A	11/12/21	1515	G	S	N	Y	X								12	A2-A1A
SSHS-IRM5A2-A1-A60B	11/12/21	1515	G	S	N	Y	X								12	A2-A1B
SSHS-IRM5A2-A1-A60C	11/12/21	1500	C	S	N	Y		X	X	X	X	X	X	X	10	A2-A1C
SSHS-IRM5A2-A1-A61A	11/12/21	1540	G	S	N	N	X								4	A2-A2A
SSHS-IRM5A2-A1-A61B	11/12/21	1540	G	S	N	N	X								4	A2-A2B
SSHS-IRM5A2-A1-A61C	11/12/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	A2-A2C
SSHS-IRM5A2-A1-A62A	11/12/21	1610	G	S	N	N	X								4	A2-A3A
SSHS-IRM5A2-A1-A62B	11/12/21	1610	G	S	N	N	X								4	A2-A3B
SSHS-IRM5A2-A1-A62C	11/12/21	1600	C	S	N	N		X	X	X	X	X	X	X	5	A2-A3C

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Colin	Date/Time: 11/12/21	Company	Received by:	Date/Time: 11/13/21 930	Company EA Pit
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Time:	Company	Received by:	Date/Time:	Company

Custody Se
Δ Yes

Cooler Temperature(s) °C and Other Remarks:

180-129952 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

5.2/5.3

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129952 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

MS, C115

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A60A	11/12/21	1515	G	S	N	Y	X													12	A2-A1A
SSHS-IRM5A2-A1-A60B	11/12/21	1515	G	S	N	Y	X													12	A2-A1B
SSHS-IRM5A2-A1-A60C	11/12/21	1500	C	S	N	Y		X	X	X	X	X	X	X						10	A2-A1C
SSHS-IRM5A2-A1-A61A	11/12/21	1540	G	S	N	N	X													4	A2-A2A
SSHS-IRM5A2-A1-A61B	11/12/21	1540	G	S	N	N	X													4	A2-A2B
SSHS-IRM5A2-A1-A61C	11/12/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	A2-A2C
SSHS-IRM5A2-A1-A62A	11/12/21	1610	G	S	N	N	X													4	A2-A3A
SSHS-IRM5A2-A1-A62B	11/12/21	1610	G	S	N	N	X													4	A2-A3B
SSHS-IRM5A2-A1-A62C	11/12/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	A2-A3C

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/12/21	Company	Received by:	Date/Time: 11/13/21 1010	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 140-179952**
Canton Facility

Client Geosynthe Site Name _____ Cooler unpacked by: Matthew Surma

Cooler Received on 11/13/21 Opened on 11/13/21

FedEx: 1st Grd (Exp) UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 1A Foam Box Client Cooler Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 5.2 °C Corrected Cooler Temp. 5.3 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were the seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes (No)
   -Were tamper/custody seals intact and uncompromised? (Yes) No NA
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? (Yes) No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?
10. Were correct bottle(s) used for the test(s) indicated? (Yes) No
11. Sufficient quantity received to perform indicated analyses? (Yes) No
12. Are these work share samples and all listed on the COC? Yes (No)
    If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC? (Yes) No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ Yes (No)
17. Was a LL Hg or Me Hg trip blank present? _____ Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page Samples processed by: Dave Dunlap

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

WI-NC-099

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129952 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A60A	11/12/21	1515	G	S	N	Y	X								12	A2-A1A
SSHS-IRM5A2-A1-A60B	11/12/21	1515	G	S	N	Y	X								12	A2-A1B
SSHS-IRM5A2-A1-A60C	11/12/21	1500	C	S	N	Y		X	X	X	X	X	X	X	10	A2-A1C
SSHS-IRM5A2-A1-A61A	11/12/21	1540	G	S	N	N	X								4	A2-A2A
SSHS-IRM5A2-A1-A61B	11/12/21	1540	G	S	N	N	X								4	A2-A2B
SSHS-IRM5A2-A1-A61C	11/12/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	A2-A2C
SSHS-IRM5A2-A1-A62A	11/12/21	1610	G	S	N	N	X								4	A2-A3A
SSHS-IRM5A2-A1-A62B	11/12/21	1610	G	S	N	N	X								4	A2-A3B
SSHS-IRM5A2-A1-A62C	11/12/21	1600	C	S	N	N		X	X	X	X	X	X	X	5	A2-A3C

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		11/12/21			11/13/21 9:38	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-129952 Field Sheet

Tracking # : 775163856560

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: D05 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JS Date: 11/13/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☐
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☐	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JG Date: 11/15/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☒	☐
Log Release checked in TALS?	☐	☐	☒

Initials: JG Date: 11/15/21

WR3-33C

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 12NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 38x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56D129A7E/FE4A

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7751 4385 6590

X0 BLUA

95605
CA-US SMF

FedEx Ship Manager - Print Your Label(s)

11/8/21, 10:31 AM

SDR

151966 10/04 MWI

FedEx® Saturday Delivery

SDR

151966 10/04 MWI

very

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129952-2

Login Number: 129952
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	container labels are A60,61,62, should be A1,2,3
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129952-2

Login Number: 129952
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/15/21 08:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130004-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/22/2021 4:08:20 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130004-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130004-2

Receipt
The samples were received on 11/16/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.6º C, 3.1º C, 3.4º C and 3.4º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130004-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130004-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130004-3	SSHS-IRM5A2-A2-A4C	Solid	11/13/21 12:00	11/16/21 10:00
180-130004-6	SSHS-IRM5A2-A2-A5C	Solid	11/13/21 12:10	11/16/21 10:00
180-130004-9	SSHS-IRM5A2-A2-A6C	Solid	11/13/21 13:20	11/16/21 10:00
180-130004-12	SSHS-IRM5A2-A2-A7C	Solid	11/13/21 14:10	11/16/21 10:00
180-130004-15	SSHS-IRM5A2-A2-A8C	Solid	11/13/21 14:20	11/16/21 10:00
180-130004-18	SSHS-IRM5A2-A2-A9C	Solid	11/13/21 14:45	11/16/21 10:00
180-130004-21	SSHS-IRM5A2-A2-A10C	Solid	11/15/21 09:00	11/16/21 10:00
180-130004-24	SSHS-IRM5A2-A2-A11C	Solid	11/15/21 10:10	11/16/21 10:00
180-130004-27	SSHS-IRM5A2-A2-A12C	Solid	11/15/21 10:20	11/16/21 10:00
180-130004-30	SSHS-IRM5A2-A2-A13C	Solid	11/15/21 11:20	11/16/21 10:00
180-130004-33	SSHS-IRM5A2-DUP7C	Solid	11/15/21 00:00	11/16/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A4C

Lab Sample ID: 180-130004-3
Date Collected: 11/13/21 12:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 07:15	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A5C

Lab Sample ID: 180-130004-6
Date Collected: 11/13/21 12:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.26 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 07:25	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A6C

Lab Sample ID: 180-130004-9
Date Collected: 11/13/21 13:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 07:35	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A7C

Lab Sample ID: 180-130004-12
Date Collected: 11/13/21 14:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.30 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 07:45	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A8C

Lab Sample ID: 180-130004-15
Date Collected: 11/13/21 14:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.51 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 08:15	K1S	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A9C
Lab Sample ID: 180-130004-18
Date Collected: 11/13/21 14:45
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 08:25	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A10C
Lab Sample ID: 180-130004-21
Date Collected: 11/15/21 09:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 08:36	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A11C
Lab Sample ID: 180-130004-24
Date Collected: 11/15/21 10:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.12 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 08:46	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A12C
Lab Sample ID: 180-130004-27
Date Collected: 11/15/21 10:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.41 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 08:56	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A13C
Lab Sample ID: 180-130004-30
Date Collected: 11/15/21 11:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.04 g	10.0 mL	543728	11/16/21 12:56	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 09:06	K1S	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-130004-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-DUP7C
Lab Sample ID: 180-130004-33
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	543728	11/17/21 19:57	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			544555	11/19/21 09:16	K1S	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A4C
Date Collected: 11/13/21 12:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-3
Matrix: Solid
Percent Solids: 85.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.083**	**J**	0.23	0.053	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorohexanoic acid (PFHxA)	**0.039**	**J**	0.23	0.036	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorooctanoic acid (PFOA)	**0.069**	**J**	0.23	0.062	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.050	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 07:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C5 PFPeA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C2 PFHxA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C4 PFHpA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C5 PFNA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C2 PFDA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C2 PFUnA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C2 PFDoA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C3 PFBS	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
18O2 PFHxS	*74*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C4 PFOS	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
13C8 FOSA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
M2-6:2 FTS	*50*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*
M2-8:2 FTS	*50*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:15*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A5C

Date Collected: 11/13/21 12:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-6

Matrix: Solid
Percent Solids: 89.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.069**	**J**	0.21	0.049	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/16/21 12:56	11/19/21 07:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C5 PFPeA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C2 PFHxA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C4 PFHpA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C5 PFNA	*90*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C2 PFDA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C2 PFUnA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C2 PFDoA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C3 PFBS	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
18O2 PFHxS	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C4 PFOS	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
13C8 FOSA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
M2-6:2 FTS	*53*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*
M2-8:2 FTS	*54*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:25*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A6C
Date Collected: 11/13/21 13:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-9
Matrix: Solid
Percent Solids: 92.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.083**	**J**	0.21	0.049	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/16/21 12:56	11/19/21 07:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C2 PFHxA	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C4 PFHpA	*78*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C4 PFOA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C5 PFNA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C2 PFDA	*78*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C2 PFUnA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C2 PFDoA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C3 PFBS	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
18O2 PFHxS	*69*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C4 PFOS	*74*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
13C8 FOSA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
M2-6:2 FTS	*48*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*
M2-8:2 FTS	*57*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:35*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A7C
Date Collected: 11/13/21 14:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-12
Matrix: Solid
Percent Solids: 89.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.092**	**J**	0.21	0.049	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.13**	**J**	0.21	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/16/21 12:56	11/19/21 07:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C5 PFPeA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C2 PFHxA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C4 PFHpA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C4 PFOA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C5 PFNA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C2 PFDA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C2 PFUnA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C2 PFDoA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C3 PFBS	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
18O2 PFHxS	*68*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C4 PFOS	*73*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
M2-6:2 FTS	*52*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*11/16/21 12:56*	*11/19/21 07:45*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A8C
Date Collected: 11/13/21 14:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-15
Matrix: Solid
Percent Solids: 85.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.091**	**J**	0.21	0.049	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorohexanoic acid (PFHxA)	**0.044**	**J**	0.21	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.21	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorononanoic acid (PFNA)	**0.041**	**J**	0.21	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**		0.21	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/16/21 12:56	11/19/21 08:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C5 PFPeA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C2 PFHxA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C4 PFHpA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C5 PFNA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C2 PFDA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C2 PFUnA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C2 PFDoA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C3 PFBS	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
18O2 PFHxS	*77*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C4 PFOS	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
M2-6:2 FTS	*51*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*
M2-8:2 FTS	*50*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:15*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A9C
Date Collected: 11/13/21 14:45
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-18
Matrix: Solid
Percent Solids: 85.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.28**		0.22	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluoropentanoic acid (PFPeA)	**0.048**	**J**	0.22	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorohexanoic acid (PFHxA)	**0.045**	**J**	0.22	0.034	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorooctanoic acid (PFOA)	**0.14**	**J**	0.22	0.059	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorononanoic acid (PFNA)	**0.058**	**J**	0.22	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.37**		0.22	0.048	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	11/16/21 12:56	11/19/21 08:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C5 PFPeA	*74*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C2 PFHxA	*75*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C4 PFHpA	*78*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C4 PFOA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C5 PFNA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C2 PFDA	*78*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C2 PFUnA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C2 PFDoA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C3 PFBS	*75*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
18O2 PFHxS	*72*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C4 PFOS	*75*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
13C8 FOSA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
M2-6:2 FTS	*52*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*
M2-8:2 FTS	*55*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:25*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A10C
Lab Sample ID: 180-130004-21

Date Collected: 11/15/21 09:00 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 88.3**

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.078**	**J**	0.22	0.050	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorohexanoic acid (PFHxA)	**0.034**	**J**	0.22	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorooctanoic acid (PFOA)	**0.096**	**J**	0.22	0.057	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/16/21 12:56	11/19/21 08:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C5 PFPeA	*80*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C2 PFHxA	*75*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C4 PFHpA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C4 PFOA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C5 PFNA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C2 PFDA	*80*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C2 PFUnA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C2 PFDoA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C3 PFBS	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
18O2 PFHxS	*73*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C4 PFOS	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
M2-6:2 FTS	*49*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*
M2-8:2 FTS	*54*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:36*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A11C
Date Collected: 11/15/21 10:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-24
Matrix: Solid
Percent Solids: 91.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.071**	**J**	0.21	0.049	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorohexanoic acid (PFHxA)	**0.033**	**J**	0.21	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorooctanoic acid (PFOA)	**0.085**	**J**	0.21	0.057	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/16/21 12:56	11/19/21 08:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C5 PFPeA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C2 PFHxA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C4 PFHpA	*90*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C4 PFOA	*95*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C5 PFNA	*96*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C3 PFBS	*91*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
18O2 PFHxS	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C4 PFOS	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
13C8 FOSA	*98*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
M2-6:2 FTS	*53*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*
M2-8:2 FTS	*55*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:46*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A12C
Date Collected: 11/15/21 10:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-27
Matrix: Solid
Percent Solids: 89.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.096**	**J**	0.21	0.048	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorooctanoic acid (PFOA)	**0.090**	**J**	0.21	0.055	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/16/21 12:56	11/19/21 08:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C5 PFPeA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C2 PFHxA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C4 PFHpA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C4 PFOA	*89*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C5 PFNA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C2 PFDA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C2 PFUnA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C2 PFDoA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C3 PFBS	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
18O2 PFHxS	*74*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C4 PFOS	*80*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
13C8 FOSA	*94*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
M2-6:2 FTS	*50*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*
M2-8:2 FTS	*56*		*25 - 150*	*11/16/21 12:56*	*11/19/21 08:56*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

Client Sample ID: SSHS-IRM5A2-A2-A13C
Date Collected: 11/15/21 11:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-30
Matrix: Solid
Percent Solids: 91.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.056**	**J**	0.22	0.050	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/16/21 12:56	11/19/21 09:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C5 PFPeA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C2 PFHxA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C4 PFHpA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C4 PFOA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C5 PFNA	*86*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C2 PFDA	*80*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C2 PFUnA	*83*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C2 PFDoA	*80*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C3 PFBS	*82*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
18O2 PFHxS	*69*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C4 PFOS	*77*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
13C8 FOSA	*87*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
M2-6:2 FTS	*48*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*
M2-8:2 FTS	*49*		*25 - 150*	*11/16/21 12:56*	*11/19/21 09:06*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-130004-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-DUP7C
Lab Sample ID: 180-130004-33
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.055**	**J**	0.21	0.049	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorooctanoic acid (PFOA)	**0.074**	**J**	0.21	0.056	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/17/21 19:57	11/19/21 09:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C5 PFPeA	*85*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C2 PFHxA	*79*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C4 PFHpA	*83*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C5 PFNA	*88*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C2 PFDA	*81*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C2 PFUnA	*84*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C2 PFDoA	*85*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C3 PFBS	*77*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
18O2 PFHxS	*69*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C4 PFOS	*79*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
M2-6:2 FTS	*56*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*
M2-8:2 FTS	*55*		*25 - 150*	*11/17/21 19:57*	*11/19/21 09:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-543728/1-A
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/16/21 12:56	11/19/21 06:14	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/16/21 12:56	11/19/21 06:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C5 PFPeA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C2 PFHxA	*80*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C4 PFHpA	*88*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C4 PFOA	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C5 PFNA	*81*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C2 PFDA	*73*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C2 PFUnA	*79*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C2 PFDoA	*76*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C2 PFTeDA	*67*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C3 PFBS	*95*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
18O2 PFHxS	*84*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C4 PFOS	*85*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
13C8 FOSA	*90*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
M2-6:2 FTS	*62*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*
M2-8:2 FTS	*66*		*25 - 150*	*11/16/21 12:56*	*11/19/21 06:14*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-543728/2-A
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		99	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.99		ug/Kg		99	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.87		ug/Kg		93	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.94		ug/Kg		97	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.95		ug/Kg		97	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.04		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.16		ug/Kg		108	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.99		ug/Kg		100	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.82		ug/Kg		91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.47		ug/Kg		83	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.74		ug/Kg		95	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.75		ug/Kg		92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.68		ug/Kg		91	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.80		ug/Kg		93	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.01		ug/Kg		100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.92		ug/Kg		96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.89		ug/Kg		94	72 - 132
6:2 FTS	1.90	1.88		ug/Kg		99	73 - 139
8:2 FTS	1.92	1.78		ug/Kg		93	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*75*		*25 - 150*
13C5 PFPeA	*81*		*25 - 150*
13C2 PFHxA	*87*		*25 - 150*
13C4 PFHpA	*86*		*25 - 150*
13C4 PFOA	*92*		*25 - 150*
13C5 PFNA	*84*		*25 - 150*
13C2 PFDA	*82*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*80*		*25 - 150*
13C2 PFTeDA	*82*		*25 - 150*
13C3 PFBS	*102*		*25 - 150*
18O2 PFHxS	*88*		*25 - 150*
13C4 PFOS	*94*		*25 - 150*
13C8 FOSA	*92*		*25 - 150*
d3-NMeFOSAA	*97*		*25 - 150*
d5-NEtFOSAA	*100*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-543728/2-A
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543728

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*65*		*25 - 150*
M2-8:2 FTS	*65*		*25 - 150*

Lab Sample ID: 180-130004-33 MS
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: SSHS-IRM5A2-DUP7C
Prep Type: Total/NA
Prep Batch: 543728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.055	J	2.06	2.09		ug/Kg	☼	99	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.06	1.95		ug/Kg	☼	95	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.06	1.95		ug/Kg	☼	95	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.06	1.99		ug/Kg	☼	97	71 - 131
Perfluorooctanoic acid (PFOA)	0.074	J	2.06	2.12		ug/Kg	☼	100	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.06	2.05		ug/Kg	☼	100	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.06	1.94		ug/Kg	☼	94	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.06	2.00		ug/Kg	☼	97	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.06	1.93		ug/Kg	☼	94	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.06	1.94		ug/Kg	☼	94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.06	2.00		ug/Kg	☼	97	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.82	1.56		ug/Kg	☼	86	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.87	1.86		ug/Kg	☼	99	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.96	1.74		ug/Kg	☼	89	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.91	1.85		ug/Kg	☼	97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.98	1.78		ug/Kg	☼	90	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.06	2.05		ug/Kg	☼	99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.06	2.02		ug/Kg	☼	98	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.06	1.87		ug/Kg	☼	91	72 - 132
6:2 FTS	ND		1.95	1.90		ug/Kg	☼	98	73 - 139
8:2 FTS	ND		1.97	1.85		ug/Kg	☼	94	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*68*		*25 - 150*
13C5 PFPeA	*78*		*25 - 150*
13C2 PFHxA	*83*		*25 - 150*
13C4 PFHpA	*82*		*25 - 150*
13C4 PFOA	*83*		*25 - 150*
13C5 PFNA	*82*		*25 - 150*
13C2 PFDA	*84*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130004-33 MS
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: SSHS-IRM5A2-DUP7C
Prep Type: Total/NA
Prep Batch: 543728

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	83		25 - 150
13C3 PFBS	74		25 - 150
18O2 PFHxS	69		25 - 150
13C4 PFOS	78		25 - 150
13C8 FOSA	87		25 - 150
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	98		25 - 150
M2-6:2 FTS	53		25 - 150
M2-8:2 FTS	59		25 - 150

Lab Sample ID: 180-130004-33 MSD
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: SSHS-IRM5A2-DUP7C
Prep Type: Total/NA
Prep Batch: 543728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.055	J	2.16	2.09		ug/Kg	☼	94	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	ND		2.16	2.13		ug/Kg	☼	99	69 - 129	9	30
Perfluorohexanoic acid (PFHxA)	ND		2.16	2.09		ug/Kg	☼	97	71 - 131	7	30
Perfluoroheptanoic acid (PFHpA)	ND		2.16	2.05		ug/Kg	☼	95	71 - 131	3	30
Perfluorooctanoic acid (PFOA)	0.074	J	2.16	2.19		ug/Kg	☼	98	72 - 132	3	30
Perfluorononanoic acid (PFNA)	ND		2.16	2.07		ug/Kg	☼	96	73 - 133	1	30
Perfluorodecanoic acid (PFDA)	ND		2.16	2.14		ug/Kg	☼	99	72 - 132	10	30
Perfluoroundecanoic acid (PFUnA)	ND		2.16	2.20		ug/Kg	☼	102	66 - 126	10	30
Perfluorododecanoic acid (PFDoA)	ND		2.16	2.38		ug/Kg	☼	110	71 - 131	21	30
Perfluorotridecanoic acid (PFTriA)	ND		2.16	2.14		ug/Kg	☼	99	71 - 131	10	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.16	2.03		ug/Kg	☼	94	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.91	1.52		ug/Kg	☼	80	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.96	1.86		ug/Kg	☼	95	62 - 122	0	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.05	1.80		ug/Kg	☼	87	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.00	1.95		ug/Kg	☼	97	68 - 141	5	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.08	1.99		ug/Kg	☼	96	71 - 131	11	30
Perfluorooctanesulfonamide (FOSA)	ND		2.16	2.11		ug/Kg	☼	98	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.16	1.96		ug/Kg	☼	91	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.16	1.99		ug/Kg	☼	92	72 - 132	6	30
6:2 FTS	ND		2.05	1.81		ug/Kg	☼	88	73 - 139	5	30
8:2 FTS	ND		2.07	2.06		ug/Kg	☼	100	75 - 135	11	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	83		25 - 150
13C5 PFPeA	94		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130004-33 MSD
Matrix: Solid
Analysis Batch: 544555

Client Sample ID: SSHS-IRM5A2-DUP7C
Prep Type: Total/NA
Prep Batch: 543728

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	94		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	98		25 - 150
13C2 PFTeDA	100		25 - 150
13C3 PFBS	99		25 - 150
18O2 PFHxS	85		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	106		25 - 150
d3-NMeFOSAA	112		25 - 150
d5-NEtFOSAA	124		25 - 150
M2-6:2 FTS	66		25 - 150
M2-8:2 FTS	65		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-2

LCMS

Prep Batch: 543728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	SHAKE	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	SHAKE	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	SHAKE	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	SHAKE	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	SHAKE	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	SHAKE	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	SHAKE	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	SHAKE	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	SHAKE	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	SHAKE	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	SHAKE	
MB 320-543728/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-543728/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-130004-33 MS	SSHS-IRM5A2-DUP7C	Total/NA	Solid	SHAKE	
180-130004-33 MSD	SSHS-IRM5A2-DUP7C	Total/NA	Solid	SHAKE	

Analysis Batch: 544555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	537 (modified)	543728
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	537 (modified)	543728
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	537 (modified)	543728
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	537 (modified)	543728
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	537 (modified)	543728
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	537 (modified)	543728
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	537 (modified)	543728
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	537 (modified)	543728
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	537 (modified)	543728
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	537 (modified)	543728
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	537 (modified)	543728
MB 320-543728/1-A	Method Blank	Total/NA	Solid	537 (modified)	543728
LCS 320-543728/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	543728
180-130004-33 MS	SSHS-IRM5A2-DUP7C	Total/NA	Solid	537 (modified)	543728
180-130004-33 MSD	SSHS-IRM5A2-DUP7C	Total/NA	Solid	537 (modified)	543728

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A4A	11/15/21	0930	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A4B	11/15/21	0935	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A4C	11/13/21	12:00	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A5A	11/15/21	0940	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A5B	11/15/21	0945	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A5C	11/13/21	12:10	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A6A	11/15/21	0950	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A6B	11/15/21	0955	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A6C	11/13/21	13:20	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A7A	11/15/21	1000	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A7B	11/15/21	1005	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A7C	11/13/21	14:10	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/15/21 16:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1000	Company EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

180-130004 Chain of Custody

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A8A	11/15/21	1010	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A8B	11/15/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A8C	11/13/21	14:20	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A9A	11/15/21	1020	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A9B	11/15/21	1025	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A9C	11/13/21	14:45	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A10A	11/15/21	0850	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A10B	11/15/21	0850	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A10C	11/15/21	0900	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A11A	11/15/21	1000	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A11B	11/15/21	1000	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A11C	11/15/21	1010	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/15/21 16:00	Company: Geosyntec		11/16/21 1000	EDA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A12A	11/15/21	1015	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A12B	11/15/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A12C	11/13/21	1020	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A13A	11/15/21	1110	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A13B	11/15/21	1110	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A13C	11/15/21	1120	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP7A	11/15/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP7B	11/15/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP7C	11/15/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/15/21 14:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-130004 Chain of Custody

H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A4A	11/15/21	0930	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A4B	11/15/21	0935	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A4C	11/13/21	12:00	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A5A	11/15/21	0940	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A5B	11/15/21	0945	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A5C	11/13/21	12:10	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A6A	11/15/21	0950	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A6B	11/15/21	0955	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A6C	11/13/21	13:20	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A7A	11/15/21	1000	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A7B	11/15/21	1005	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A7C	11/13/21	14:10	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 11/15/21/16:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1030	Company: BETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 177144 | Cooler Temperature(s) °C and Other Remarks: 2.6

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11/22/2021

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A12A	11/15/21	1015	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A12B	11/15/21	1015	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A12C	11/13/21	1020	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A13A	11/15/21	1110	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A13B	11/15/21	1110	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A13C	11/15/21	1120	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-DUP7A	11/15/21		G	S	N	N	X								4	
SSHS-IRM5A2-DUP7B	11/15/21		G	S	N	N	X								4	
SSHS-IRM5A2-DUP7C	11/15/21		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/15/21 16:00	Geosyntec		11/16/21 1035	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.6

Ver: 01/16/2019

Page 32 of 39

11/22/2021

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis F		Job #: 180-130004
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

SHORT HOLD

180-130004 Chain of Custody

J - DI Water; K - EDTA; L - EDA; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A4A	11/15/21	0930	G	S	N	N	X											1	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A4B	11/15/21	0935	G	S	N	N	X											2	4	
SSHS-IRM5A2-A2-A4C	11/13/21	12:00	C	S	N	N		X	X	X	X	X	X	X				3	5	
SSHS-IRM5A2-A2-A5A	11/15/21	0940	G	S	N	N	X											4	4	
SSHS-IRM5A2-A2-A5B	11/15/21	0945	G	S	N	N	X											5	4	
SSHS-IRM5A2-A2-A5C	11/13/21	12:10	C	S	N	N		X	X	X	X	X	X	X				6	5	
SSHS-IRM5A2-A2-A6A	11/15/21	0950	G	S	N	N	X											7	4	
SSHS-IRM5A2-A2-A6B	11/15/21	0955	G	S	N	N	X											8	4	
SSHS-IRM5A2-A2-A6C	11/13/21	13:20	C	S	N	N		X	X	X	X	X	X	X				9	5	
SSHS-IRM5A2-A2-A7A	11/15/21	1000	G	S	N	N	X											10	4	
SSHS-IRM5A2-A2-A7B	11/15/21	1005	G	S	N	N	X											11	4	
SSHS-IRM5A2-A2-A7C	11/13/21	14:10	C	S	N	N		X	X	X	X	X	X	X				12	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	11/15/21 16:00	Geosyntec	[signature] via Fedex	11/16/21 11:10	ETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 171127 | Cooler Temperature(s) °C and Other Remarks: IR#9- 3.9=3.4

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #: 180-130004

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	PO #: MN0832I
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	Project #: 18013464
Project Name: Former Sperry Remington Site	SSOW#:
Site:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A8A	11/15/21	1010	G	S	N	N	X											13	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A8B	11/15/21	1015	G	S	N	N	X											14	4	
SSHS-IRM5A2-A2-A8C	11/13/21	14:20	C	S	N	N		X	X	X	X	X	X	X				15	5	
SSHS-IRM5A2-A2-A9A	11/15/21	1020	G	S	N	N	X											16	4	
SSHS-IRM5A2-A2-A9B	11/15/21	1025	G	S	N	N	X											17	4	
SSHS-IRM5A2-A2-A9C	11/13/21	14:45	C	S	N	N		X	X	X	X	X	X	X				18	5	
SSHS-IRM5A2-A2-A10A	11/15/21	0850	G	S	N	N	X											19	4	
SSHS-IRM5A2-A2-A10B	11/15/21	0850	G	S	N	N	X											20	4	
SSHS-IRM5A2-A2-A10C	11/15/21	0900	C	S	N	N		X	X	X	X	X	X	X				21	5	
SSHS-IRM5A2-A2-A11A	11/15/21	1000	G	S	N	N	X											22	4	
SSHS-IRM5A2-A2-A11B	11/15/21	1000	G	S	N	N	X											23	4	
SSHS-IRM5A2-A2-A11C	11/15/21	1010	C	S	N	N		X	X	X	X	X	X	X				24	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: Via Fedex	Date/Time: 11/16/21 11:10	Company: ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 177127 | Cooler Temperature(s) °C and Other Remarks: ED 9-3.9=3.9

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #: 180-130004
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A12A	11/15/21	1015	G	S	N	N	X											25	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A12B	11/15/21	1015	G	S	N	N	X											26	4	
SSHS-IRM5A2-A2-A12C	11/13/21	1020	C	S	N	N		X	X	X	X	X	X	X				27	5	
SSHS-IRM5A2-A2-A13A	11/15/21	1110	G	S	N	N	X											28	4	
SSHS-IRM5A2-A2-A13B	11/15/21	1110	G	S	N	N	X											29	4	
SSHS-IRM5A2-A2-A13C	11/15/21	1120	C	S	N	N		X	X	X	X	X	X	X				30	5	
SSHS-IRM5A2-DUP7A	11/15/21		G	S	N	N	X											31	4	
SSHS-IRM5A2-DUP7B	11/15/21		G	S	N	N	X											32	4	
SSHS-IRM5A2-DUP7C	11/15/21		C	S	N	N		X	X	X	X	X	X	X				33	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/15/21/16:00	Company: Geosyntec	X Via Fedex	11/16/21/11:10	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 177127 | Cooler Temperature(s) °C and Other Remarks: ID#9-3.9=3.4

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-130004 Field Sheet

Job:__

Tracking # : 7752 1585 5198

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 1-05 Corr. Factor: (+ / -) _____ °C

Ice 6 Wet X Gel _____ Other _____

Cooler Custody Seal: 177144

Cooler ID: _____

Temp Observed: 2.6 °C Corrected: 2.6 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DV Date: 11/16/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 11-16-21

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 11-16-21

WR3-11A

eurofins | Environment Testing TestAmerica

1771144

Seal 11-15-21

Custody DATE SIGNATURE

eurofins | Environment Testing TestAmerica

1771144

FedEx Ship Manager - Print Your Label(s)

11/15/21, 4:22 PM

ORIGIN ID:ELMA (240) 936-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 15NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832I
INV: 01
PO: 28 DEPT: 1751

56DJ29A7EJFE4A

FedEx Express

TUE - 16 NOV 11:30A
PRIORITY OVERNIGHT

TRK# 0201 **7752 1585 5195**

XW BLUA

95605
CA-US **SMF**

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130004-2

Login Number: 130004
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130004-2

Login Number: 130004
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/16/21 10:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1771144
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130057-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/22/2021 5:21:24 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130057-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130057-2

Receipt
The samples were received on 11/17/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6º C, 1.8º C and 2.7º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A14C (180-130057-3), SSHS-IRM5A2-A2-A15C (180-130057-6), SSHS-IRM5A2-A2-A16C (180-130057-9), SSHS-IRM5A2-A2-A17C (180-130057-12), and SSHS-IRM5A2-A2-A18C (180-130057-15). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130057-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130057-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130057-3	SSHS-IRM5A2-A2-A14C	Solid	11/16/21 11:15	11/17/21 10:00
180-130057-6	SSHS-IRM5A2-A2-A15C	Solid	11/16/21 12:00	11/17/21 10:00
180-130057-9	SSHS-IRM5A2-A2-A16C	Solid	11/16/21 12:30	11/17/21 10:00
180-130057-12	SSHS-IRM5A2-A2-A17C	Solid	11/16/21 14:30	11/17/21 10:00
180-130057-15	SSHS-IRM5A2-A2-A18C	Solid	11/16/21 14:45	11/17/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-130057-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A14C
Lab Sample ID: 180-130057-3
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.34 g	10.0 mL	543868	11/18/21 11:34	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			544576	11/19/21 22:33	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A15C
Lab Sample ID: 180-130057-6
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.0 mL	543868	11/18/21 11:34	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			544576	11/19/21 23:03	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A16C
Lab Sample ID: 180-130057-9
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	543868	11/18/21 11:34	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			544576	11/19/21 23:14	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A17C
Lab Sample ID: 180-130057-12
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.46 g	10.0 mL	543868	11/18/21 11:34	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			544576	11/19/21 23:24	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A18C
Lab Sample ID: 180-130057-15
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.45 g	10.0 mL	543868	11/18/21 11:34	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			544576	11/19/21 23:34	K1S	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Analyst References:

Lab: TAL SAC

Batch Type: Prep

RAC = Ryan Chin

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Client Sample ID: SSHS-IRM5A2-A2-A14C
Date Collected: 11/16/21 11:15
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-3
Matrix: Solid
Percent Solids: 87.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.081**	**J**	0.21	0.049	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorooctanoic acid (PFOA)	**0.097**	**J**	0.21	0.057	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.20**	**J I**	0.21	0.046	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/18/21 11:34	11/19/21 22:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C5 PFPeA	*65*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C2 PFHxA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C4 PFHpA	*71*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C4 PFOA	*75*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C5 PFNA	*72*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C2 PFDA	*72*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C2 PFUnA	*73*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C2 PFDoA	*70*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C2 PFTeDA	*62*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C3 PFBS	*76*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
18O2 PFHxS	*67*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C4 PFOS	*67*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
13C8 FOSA	*79*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
M2-6:2 FTS	*59*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*
M2-8:2 FTS	*58*		*25 - 150*	*11/18/21 11:34*	*11/19/21 22:33*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Client Sample ID: SSHS-IRM5A2-A2-A15C
Date Collected: 11/16/21 12:00
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-6
Matrix: Solid
Percent Solids: 91.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.10**	**J**	0.22	0.050	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.033	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.091**	**J I**	0.22	0.046	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/18/21 11:34	11/19/21 23:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C5 PFPeA	*87*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C2 PFHxA	*89*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C4 PFHpA	*86*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C4 PFOA	*94*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C5 PFNA	*94*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C2 PFDA	*86*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C2 PFUnA	*92*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C3 PFBS	*88*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
18O2 PFHxS	*75*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C4 PFOS	*83*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
13C8 FOSA	*100*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
d3-NMeFOSAA	*109*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
d5-NEtFOSAA	*119*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:03*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Client Sample ID: SSHS-IRM5A2-A2-A16C
Date Collected: 11/16/21 12:30
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-9
Matrix: Solid
Percent Solids: 92.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.21	0.048	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluoropentanoic acid (PFPeA)	**0.053**	**J**	0.21	0.042	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorohexanoic acid (PFHxA)	**0.034**	**J**	0.21	0.032	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J I**	0.21	0.044	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/18/21 11:34	11/19/21 23:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C2 PFHxA	*79*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C4 PFHpA	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C4 PFOA	*87*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C5 PFNA	*82*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C2 PFDA	*82*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C2 PFUnA	*82*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C2 PFDoA	*79*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C2 PFTeDA	*64*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C3 PFBS	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
18O2 PFHxS	*71*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C4 PFOS	*74*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:14*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Client Sample ID: SSHS-IRM5A2-A2-A17C
Date Collected: 11/16/21 14:30
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-12
Matrix: Solid
Percent Solids: 85.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.21**		0.21	0.049	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluoropentanoic acid (PFPeA)	**0.15**	**J**	0.21	0.044	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorohexanoic acid (PFHxA)	**0.048**	**J**	0.21	0.033	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluoroheptanoic acid (PFHpA)	**0.043**	**J**	0.21	0.041	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.21	0.057	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorononanoic acid (PFNA)	**0.041**	**J**	0.21	0.023	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorooctanesulfonic acid (PFOS)	**0.34**	**I**	0.21	0.046	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/18/21 11:34	11/19/21 23:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C5 PFPeA	*68*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C2 PFHxA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C4 PFHpA	*70*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C4 PFOA	*77*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C5 PFNA	*74*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C2 PFDA	*70*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C2 PFUnA	*77*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C2 PFDoA	*71*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C2 PFTeDA	*66*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C3 PFBS	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
18O2 PFHxS	*70*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C4 PFOS	*72*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
13C8 FOSA	*77*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:24*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

Client Sample ID: SSHS-IRM5A2-A2-A18C
Date Collected: 11/16/21 14:45
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-15
Matrix: Solid
Percent Solids: 87.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.065**	**J**	0.21	0.048	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorooctanoic acid (PFOA)	**0.066**	**J**	0.21	0.056	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorooctanesulfonic acid (PFOS)	**0.15**	**J I**	0.21	0.045	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/18/21 11:34	11/19/21 23:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C5 PFPeA	*67*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C2 PFHxA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C4 PFHpA	*73*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C4 PFOA	*75*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C5 PFNA	*73*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C2 PFDA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C2 PFUnA	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C2 PFDoA	*72*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C2 PFTeDA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C3 PFBS	*81*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
18O2 PFHxS	*70*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C4 PFOS	*72*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
13C8 FOSA	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
M2-6:2 FTS	*58*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*11/18/21 11:34*	*11/19/21 23:34*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-543868/1-A
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/18/21 11:34	11/19/21 20:11	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/18/21 11:34	11/19/21 20:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C5 PFPeA	*73*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C2 PFHxA	*74*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C4 PFHpA	*75*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C4 PFOA	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C5 PFNA	*77*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C2 PFDA	*69*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C2 PFUnA	*77*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C2 PFDoA	*63*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C3 PFBS	*88*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
18O2 PFHxS	*75*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C4 PFOS	*80*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
13C8 FOSA	*82*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
M2-6:2 FTS	*65*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*
M2-8:2 FTS	*58*		*25 - 150*	*11/18/21 11:34*	*11/19/21 20:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-543868/2-A
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.09		ug/Kg		104	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.04		ug/Kg		102	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.08		ug/Kg		104	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.10		ug/Kg		105	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.11		ug/Kg		106	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.98		ug/Kg		99	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.15		ug/Kg		107	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.11		ug/Kg		105	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.10		ug/Kg		105	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.06		ug/Kg		103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.03		ug/Kg		102	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.66		ug/Kg		94	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.92		ug/Kg		106	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.90		ug/Kg		100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.87		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.97		ug/Kg		102	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.17		ug/Kg		109	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	1.95		ug/Kg		103	73 - 139
8:2 FTS	1.92	1.81		ug/Kg		95	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*86*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*99*		*25 - 150*
13C4 PFOA	*96*		*25 - 150*
13C5 PFNA	*105*		*25 - 150*
13C2 PFDA	*91*		*25 - 150*
13C2 PFUnA	*97*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*103*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*100*		*25 - 150*
13C8 FOSA	*101*		*25 - 150*
d3-NMeFOSAA	*120*		*25 - 150*
d5-NEtFOSAA	*126*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-543868/2-A
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543868

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*73*		*25 - 150*
M2-8:2 FTS	*75*		*25 - 150*

Lab Sample ID: 180-130057-3 MS
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 543868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.081	J	2.16	2.36		ug/Kg	☼	106	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.16	2.35		ug/Kg	☼	109	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.16	2.27		ug/Kg	☼	105	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.16	2.10		ug/Kg	☼	98	71 - 131
Perfluorooctanoic acid (PFOA)	0.097	J	2.16	2.23		ug/Kg	☼	99	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.16	2.53		ug/Kg	☼	117	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.16	2.19		ug/Kg	☼	102	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.16	2.43		ug/Kg	☼	113	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.16	2.06		ug/Kg	☼	95	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.16	2.00		ug/Kg	☼	93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.16	2.13		ug/Kg	☼	99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.91	1.66		ug/Kg	☼	87	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.96	2.00		ug/Kg	☼	102	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.05	1.89		ug/Kg	☼	92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.20	J I	2.00	2.26		ug/Kg	☼	103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.08	2.07		ug/Kg	☼	99	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.16	2.25		ug/Kg	☼	104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.16	2.19		ug/Kg	☼	102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.16	2.21		ug/Kg	☼	102	72 - 132
6:2 FTS	ND		2.04	2.28		ug/Kg	☼	112	73 - 139
8:2 FTS	ND		2.07	2.06		ug/Kg	☼	100	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*73*		*25 - 150*
13C5 PFPeA	*76*		*25 - 150*
13C2 PFHxA	*80*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*80*		*25 - 150*
13C2 PFDA	*82*		*25 - 150*
13C2 PFUnA	*84*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130057-3 MS
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 543868

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	80		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	74		25 - 150
13C4 PFOS	80		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	103		25 - 150
d5-NEtFOSAA	109		25 - 150
M2-6:2 FTS	64		25 - 150
M2-8:2 FTS	72		25 - 150

Lab Sample ID: 180-130057-3 MSD
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 543868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.081	J	2.17	2.38		ug/Kg	☼	106	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.17	2.24		ug/Kg	☼	104	69 - 129	5	30
Perfluorohexanoic acid (PFHxA)	ND		2.17	2.21		ug/Kg	☼	102	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)	ND		2.17	2.23		ug/Kg	☼	103	71 - 131	6	30
Perfluorooctanoic acid (PFOA)	0.097	J	2.17	2.42		ug/Kg	☼	107	72 - 132	8	30
Perfluorononanoic acid (PFNA)	ND		2.17	2.31		ug/Kg	☼	107	73 - 133	9	30
Perfluorodecanoic acid (PFDA)	ND		2.17	2.26		ug/Kg	☼	104	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)	ND		2.17	2.12		ug/Kg	☼	98	66 - 126	14	30
Perfluorododecanoic acid (PFDoA)	ND		2.17	2.31		ug/Kg	☼	107	71 - 131	11	30
Perfluorotridecanoic acid (PFTriA)	ND		2.17	2.09		ug/Kg	☼	96	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.17	2.19		ug/Kg	☼	101	67 - 127	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.91	1.69		ug/Kg	☼	88	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.97	2.03		ug/Kg	☼	103	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.06	2.04		ug/Kg	☼	99	76 - 136	8	30
Perfluorooctanesulfonic acid (PFOS)	0.20	J I	2.01	2.37		ug/Kg	☼	108	68 - 141	5	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.09	2.23		ug/Kg	☼	107	71 - 131	7	30
Perfluorooctanesulfonamide (FOSA)	ND		2.17	2.21		ug/Kg	☼	102	77 - 137	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.17	2.13		ug/Kg	☼	98	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.17	2.16		ug/Kg	☼	100	72 - 132	2	30
6:2 FTS	ND		2.05	2.20		ug/Kg	☼	107	73 - 139	4	30
8:2 FTS	ND		2.07	1.90		ug/Kg	☼	92	75 - 135	8	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	74		25 - 150
13C5 PFPeA	80		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130057-3 MSD
Matrix: Solid
Analysis Batch: 544576

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 543868

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	79		25 - 150
13C4 PFHpA	81		25 - 150
13C4 PFOA	82		25 - 150
13C5 PFNA	84		25 - 150
13C2 PFDA	81		25 - 150
13C2 PFUnA	90		25 - 150
13C2 PFDoA	83		25 - 150
13C2 PFTeDA	78		25 - 150
13C3 PFBS	82		25 - 150
18O2 PFHxS	70		25 - 150
13C4 PFOS	73		25 - 150
13C8 FOSA	86		25 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	108		25 - 150
M2-6:2 FTS	62		25 - 150
M2-8:2 FTS	73		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-2

LCMS

Prep Batch: 543868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	SHAKE	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	SHAKE	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	SHAKE	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	SHAKE	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	SHAKE	
MB 320-543868/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-543868/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-130057-3 MS	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	SHAKE	
180-130057-3 MSD	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	SHAKE	

Analysis Batch: 544576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	537 (modified)	543868
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	537 (modified)	543868
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	537 (modified)	543868
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	537 (modified)	543868
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	537 (modified)	543868
MB 320-543868/1-A	Method Blank	Total/NA	Solid	537 (modified)	543868
LCS 320-543868/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	543868
180-130057-3 MS	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	537 (modified)	543868
180-130057-3 MSD	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	537 (modified)	543868

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X					5	

180-130057 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1).
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Stelmach	11/16/21 16:30	Company: Geosyntec		11/17/21 1000	EPA PM
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Aron Krasnopoler	M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-130057 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mia Stelmach	11/16/21 1630	Geosyntec		11-17-21 1100	EETSc.
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1652168 | Cooler Temperature(s) °C and Other Remarks: 1.6

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	11/16/21 16:30	Company: Geosyntec	[signature]	11-17-21 1100	EETSac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652168 | Cooler Temperature(s) °C and Other Remarks: 1.6

Page 24 of 31

11/22/2021

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X	5	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/22/2021

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

SHORT HOLD

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Ca…/s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Reque…		Job #: 180- 130057
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-130057 Chain of Custody

I - Ice; J - DI Water; K - EDTA; L - EDA; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X											1	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X											2	4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X				3	5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X											4	4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X											5	4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X				6	5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X											7	4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X											8	4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X				9	5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X											10	4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X											11	4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X				12	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: FedEx	Date/Time: 11/17/21 11:00	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: ID#9 - 2.3=1.8

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X											13	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X											14	4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X				15	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: FedEx/ViaFedEx	Date/Time: 11/17/21 11:00	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR#9 - 2.3=1.8

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-130057 Field Sheet

Tracking # : 7752 1609 6410

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 105 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1652168

Cooler ID: _____

Temp Observed: 1.6 °C Corrected: 1.6 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 11-17-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LB Date: 11/17/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: LB Date: 11/17/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130057-2

Login Number: 130057
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130057-2

Login Number: 130057
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1652168
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129952-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/23/2021 1:23:50 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129952-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129952-1

Comments
The results for the volatiles analysis of sample SSHS-IRM5A2-A2-A3B (180-129952-8) are reported on an 'as received' basis, not corrected for moisture. It is unknown whether a sample aliquot was placed in the 60 ml plastic moisture container included in the terracore kit or if the sample was inadvertently disposed prior to completing the moisture analysis. There were no detections of any target analytes in the analysis. Based on the average % moisture of 14.5% for this set of samples, the reporting limits and method detection limits would be elevated by a factor of approximately 1.17, had dry weight correction been applied.

Receipt
The samples were received on 11/13/21 at the Eurofins TestAmerica Pittsburgh, PA, Canton, OH, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 3.2º C and 5.3º C.

GC/MS VOA
Method 8260C: The matrix spike duplicate (MSD) of sample SSHS-IRM5A2-A2-A1B (180-129952-2) had the recovery of Acetone above the control limits. The RPD between the spikes and the recoveries of the matrix spike (MS) and laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-513358 was above criteria for the following analyte: n-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-513564 was above criteria for the following analyte: n-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A1C (180-129952-3) had the recoveries of Pentachlorophenol below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The RPD between the matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A1C (180-129952-3) was above the control limits for manganese.

Method 7471B: The matrix spike (MS) of sample SSHS-IRM5A2-A2-A1C (180-129952-3) had the recovery of mercury above the control limits. The RPD between the spikes and the recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 9012B: The matrix spike (MS) of sample SSHS-IRM5A2-A2-A1C (180-129952-3) had the recovery of cyanide above the control limits. The RPD between the spikes was also above the control limits. The recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

Job ID: 180-129952-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-IRM5A2-A2-A1C (180-129952-3) was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129952-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129952-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Laboratory: Eurofins TestAmerica, Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129952-1	SSHS-IRM5A2-A2-A1A	Solid	11/12/21 15:15	11/13/21 09:30
180-129952-2	SSHS-IRM5A2-A2-A1B	Solid	11/12/21 15:15	11/13/21 09:30
180-129952-3	SSHS-IRM5A2-A2-A1C	Solid	11/12/21 15:00	11/13/21 09:30
180-129952-4	SSHS-IRM5A2-A2-A2A	Solid	11/12/21 15:40	11/13/21 09:30
180-129952-5	SSHS-IRM5A2-A2-A2B	Solid	11/12/21 15:40	11/13/21 09:30
180-129952-6	SSHS-IRM5A2-A2-A2C	Solid	11/12/21 15:30	11/13/21 09:30
180-129952-7	SSHS-IRM5A2-A2-A3A	Solid	11/12/21 16:10	11/13/21 09:30
180-129952-8	SSHS-IRM5A2-A2-A3B	Solid	11/12/21 16:10	11/13/21 09:30
180-129952-9	SSHS-IRM5A2-A2-A3C	Solid	11/12/21 16:00	11/13/21 09:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total andor Amenable	SW846	TAL CAN
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
3050B	Preparation, Metals	SW846	TAL CAN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL CAN
7471B	Preparation, Mercury	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-129952-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A1A — Lab Sample ID: 180-129952-1
Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A1A — Lab Sample ID: 180-129952-1
Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 87.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.842 g	5 mL	513070	11/13/21 11:40	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	513292	11/16/21 22:40	CS	TAL CAN
	Instrument ID: A3UX18									

Client Sample ID: SSHS-IRM5A2-A2-A1B — Lab Sample ID: 180-129952-2
Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A1B — Lab Sample ID: 180-129952-2
Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 85.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.696 g	5 mL	513070	11/13/21 11:40	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	513358	11/17/21 11:13	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A2-A1C — Lab Sample ID: 180-129952-3
Date Collected: 11/12/21 15:00 — **Matrix: Solid**
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A1C — Lab Sample ID: 180-129952-3
Date Collected: 11/12/21 15:00 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 85.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	378997	11/15/21 19:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379096	11/16/21 15:00	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-1

Client Sample ID: SSHS-IRM5A2-A2-A1C

Lab Sample ID: 180-129952-3
Date Collected: 11/12/21 15:00
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	378823	11/15/21 01:57	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378932	11/15/21 10:19	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378933	11/15/21 10:20	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378917	11/16/21 04:12	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.20 g	100 mL	512962	11/15/21 12:00	MRL	TAL CAN
Total/NA	Analysis	6010C		1			513238	11/16/21 12:16	DSH	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.62 g	100 mL	512974	11/15/21 12:15	MRL	TAL CAN
Total/NA	Analysis	7471B		1			513384	11/16/21 11:58	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.25 g	6 mL	513221	11/16/21 11:24	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513284	11/16/21 16:53	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.49 g	100 mL	379419	11/18/21 13:42	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	379656	11/20/21 15:57	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A2-A2A

Lab Sample ID: 180-129952-4
Date Collected: 11/12/21 15:40
Matrix: Solid
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A2A

Lab Sample ID: 180-129952-4
Date Collected: 11/12/21 15:40
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.222 g	5 mL	513070	11/13/21 11:40	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	513358	11/17/21 12:24	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A2-A2B

Lab Sample ID: 180-129952-5
Date Collected: 11/12/21 15:40
Matrix: Solid
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A2B
Lab Sample ID: 180-129952-5
Date Collected: 11/12/21 15:40
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.595 g	5 mL	513070	11/13/21 11:40	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	513564	11/18/21 10:25	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A2-A2C
Lab Sample ID: 180-129952-6
Date Collected: 11/12/21 15:30
Matrix: Solid
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A2C
Lab Sample ID: 180-129952-6
Date Collected: 11/12/21 15:30
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	378997	11/15/21 19:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379096	11/16/21 16:07	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	378823	11/15/21 01:57	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378932	11/15/21 10:19	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378933	11/15/21 10:20	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378917	11/16/21 05:08	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.14 g	100 mL	512962	11/15/21 12:00	MRL	TAL CAN
Total/NA	Analysis	6010C		1			513238	11/16/21 12:37	DSH	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.59 g	100 mL	512974	11/15/21 12:15	MRL	TAL CAN
Total/NA	Analysis	7471B		1			513384	11/16/21 12:05	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.28 g	6 mL	513221	11/16/21 11:24	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513284	11/16/21 17:02	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.48 g	100 mL	379419	11/18/21 13:42	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	379656	11/20/21 15:59	PMH	TAL PIT
	Instrument ID: GEN10S									

Client Sample ID: SSHS-IRM5A2-A2-A3A
Lab Sample ID: 180-129952-7
Date Collected: 11/12/21 16:10
Matrix: Solid
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513008	11/15/21 12:26	AJ	TAL CAN
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-1

Client Sample ID: SSHS-IRM5A2-A2-A3A

Lab Sample ID: 180-129952-7
Date Collected: 11/12/21 16:10
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.645 g	5 mL	513070	11/13/21 11:40	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	513358	11/17/21 13:12	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A2-A3B

Lab Sample ID: 180-129952-8
Date Collected: 11/12/21 16:10
Matrix: Solid
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.352 g	5 mL	513070	11/13/21 11:40	LAM	TAL CAN
Total/NA	Analysis	8260C		1	5 g	5 mL	513358	11/17/21 13:37	TJL2	TAL CAN
	Instrument ID: A3UX14									

Client Sample ID: SSHS-IRM5A2-A2-A3C

Lab Sample ID: 180-129952-9
Date Collected: 11/12/21 16:00
Matrix: Solid
Date Received: 11/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			513197	11/16/21 12:15	KMS	TAL CAN
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A3C

Lab Sample ID: 180-129952-9
Date Collected: 11/12/21 16:00
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	378997	11/15/21 19:03	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379096	11/16/21 16:29	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	378823	11/15/21 01:57	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	378932	11/15/21 10:19	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	378933	11/15/21 10:20	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			378917	11/16/21 05:26	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.09 g	100 mL	512962	11/15/21 12:00	MRL	TAL CAN
Total/NA	Analysis	6010C		1			513238	11/16/21 12:42	DSH	TAL CAN
	Instrument ID: I9									
Total/NA	Prep	7471B			0.62 g	100 mL	512974	11/15/21 12:15	MRL	TAL CAN
Total/NA	Analysis	7471B		1			513384	11/16/21 12:07	MRL	TAL CAN
	Instrument ID: H3									
Total/NA	Prep	9012B			0.24 g	6 mL	513221	11/16/21 11:24	BLW	TAL CAN
Total/NA	Analysis	9012B		1	6 mL	6 mL	513284	11/16/21 17:04	BLW	TAL CAN
	Instrument ID: CNthia									
Total/NA	Prep	3060A			2.55 g	100 mL	379419	11/18/21 13:42	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	379656	11/20/21 16:00	PMH	TAL PIT
	Instrument ID: GEN10S									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-1

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN

Batch Type: Prep

BLW = Bruce Woodward
LAM = Louis Mancine
MRL = Matthew Loeb

Batch Type: Analysis

AJ = Allison Jackson
BLW = Bruce Woodward
CS = Charles Seymour
DSH = David Heakin
KMS = Kayla Shellenbarger
MRL = Matthew Loeb
TJL2 = Todd Lata

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CSC = Chayce Cockroft
PMH = Paloma Hoelzle

Batch Type: Analysis

JMO = John Oravec
PMH = Paloma Hoelzle
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A1A — Lab Sample ID: 180-129952-1

Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 87.2**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.018	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Benzene	ND		0.0042	0.00058	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
2-Butanone (MEK)	ND		0.017	0.0030	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Carbon tetrachloride	ND		0.0042	0.0027	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Chlorobenzene	ND		0.0042	0.00077	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Chloroform	ND		0.0042	0.00066	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
cis-1,2-Dichloroethene	ND		0.0042	0.0012	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,2-Dichlorobenzene	ND		0.0042	0.00093	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,3-Dichlorobenzene	ND		0.0042	0.00068	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,4-Dichlorobenzene	ND		0.0042	0.00074	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,1-Dichloroethane	ND		0.0042	0.00058	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,2-Dichloroethane	ND		0.0042	0.00065	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,1-Dichloroethene	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,4-Dioxane	ND		0.21	0.061	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Ethylbenzene	ND		0.0042	0.00088	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Methylene Chloride	ND		0.021	0.010	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Methyl tert-butyl ether	ND		0.0042	0.0017	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
n-Butylbenzene	ND		0.0042	0.0029	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
N-Propylbenzene	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
sec-Butylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
tert-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Tetrachloroethene	ND		0.0042	0.00061	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Toluene	ND		0.0042	0.00065	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
trans-1,2-Dichloroethene	ND		0.0042	0.0012	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,1,1-Trichloroethane	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Trichloroethene	ND		0.0042	0.00053	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,2,4-Trimethylbenzene	ND		0.0042	0.0019	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
1,3,5-Trimethylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Vinyl chloride	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1
Xylenes, Total	ND		0.0084	0.0013	mg/Kg	☼	11/13/21 11:40	11/16/21 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*41 - 143*	*11/13/21 11:40*	*11/16/21 22:40*	*1*
Dibromofluoromethane (Surr)	*85*		*41 - 138*	*11/13/21 11:40*	*11/16/21 22:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*58 - 125*	*11/13/21 11:40*	*11/16/21 22:40*	*1*
Toluene-d8 (Surr)	*87*		*56 - 125*	*11/13/21 11:40*	*11/16/21 22:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.2**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**12.8**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A1B — Lab Sample ID: 180-129952-2

Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 85.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	0.022	0.018	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Benzene	ND		0.0044	0.00061	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1

Client Sample ID: SSHS-IRM5A2-A2-A1B — Lab Sample ID: 180-129952-2

Date Collected: 11/12/21 15:15 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 85.0**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.018	0.0031	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Carbon tetrachloride	ND		0.0044	0.0029	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Chlorobenzene	ND		0.0044	0.00080	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Chloroform	ND		0.0044	0.00069	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
cis-1,2-Dichloroethene	ND		0.0044	0.0013	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,2-Dichlorobenzene	ND		0.0044	0.00098	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,3-Dichlorobenzene	ND		0.0044	0.00072	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,4-Dichlorobenzene	ND		0.0044	0.00077	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,1-Dichloroethane	ND		0.0044	0.00061	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,2-Dichloroethane	ND		0.0044	0.00068	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,1-Dichloroethene	ND		0.0044	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,4-Dioxane	ND		0.22	0.064	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Ethylbenzene	ND		0.0044	0.00092	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Methylene Chloride	ND		0.022	0.011	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Methyl tert-butyl ether	ND		0.0044	0.0017	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
n-Butylbenzene	ND		0.0044	0.0030	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
N-Propylbenzene	ND		0.0044	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
sec-Butylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
tert-Butylbenzene	ND		0.0044	0.0022	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Tetrachloroethene	ND		0.0044	0.00064	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Toluene	**0.0017**	**J**	0.0044	0.00068	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
trans-1,2-Dichloroethene	ND		0.0044	0.0012	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,1,1-Trichloroethane	ND		0.0044	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Trichloroethene	ND		0.0044	0.00056	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,2,4-Trimethylbenzene	ND		0.0044	0.0020	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
1,3,5-Trimethylbenzene	ND		0.0044	0.0017	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Vinyl chloride	ND		0.0044	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1
Xylenes, Total	ND		0.0088	0.0014	mg/Kg	☼	11/13/21 11:40	11/17/21 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41 - 143*	*11/13/21 11:40*	*11/17/21 11:13*	*1*
Dibromofluoromethane (Surr)	*96*		*41 - 138*	*11/13/21 11:40*	*11/17/21 11:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*58 - 125*	*11/13/21 11:40*	*11/17/21 11:13*	*1*
Toluene-d8 (Surr)	*101*		*56 - 125*	*11/13/21 11:40*	*11/17/21 11:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85.0**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**15.0**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A1C — Lab Sample ID: 180-129952-3

Date Collected: 11/12/21 15:00 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 85.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0077	0.0022	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Acenaphthylene	**0.0088**		0.0077	0.0017	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Anthracene	**0.0073**	**J**	0.0077	0.0020	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Benzo[a]anthracene	**0.019**		0.0077	0.0035	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1

Client Sample ID: SSHS-IRM5A2-A2-A1C **Lab Sample ID: 180-129952-3**
Date Collected: 11/12/21 15:00 **Matrix: Solid**
Date Received: 11/13/21 09:30 **Percent Solids: 85.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.015**		0.0077	0.0033	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Benzo[b]fluoranthene	**0.024**		0.0077	0.0019	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Benzo[g,h,i]perylene	**0.017**		0.0077	0.0017	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Benzo[k]fluoranthene	**0.0076**	**J**	0.0077	0.0023	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Chrysene	**0.020**		0.0077	0.0043	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Dibenz(a,h)anthracene	ND		0.0077	0.0049	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
1,4-Dioxane	ND		0.077	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Fluoranthene	**0.032**		0.0077	0.0020	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Fluorene	ND		0.0077	0.0015	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Hexachlorobenzene	ND		0.0077	0.0027	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Hexachlorobutadiene	ND		0.0077	0.0022	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Indeno[1,2,3-cd]pyrene	**0.016**		0.0077	0.0038	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Naphthalene	**0.0047**	**J**	0.0077	0.0015	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Nitrobenzene	ND		0.077	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Pentachlorophenol	ND	F1	0.20	0.062	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Phenanthrene	**0.020**		0.0077	0.0021	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Pyrene	**0.030**		0.0077	0.0018	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/15/21 19:03	11/16/21 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*11/15/21 19:03*	*11/16/21 15:00*	*1*
2-Fluorophenol (Surr)	*60*		*32 - 105*	*11/15/21 19:03*	*11/16/21 15:00*	*1*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*	*11/15/21 19:03*	*11/16/21 15:00*	*1*
Phenol-d5 (Surr)	*59*		*34 - 105*	*11/15/21 19:03*	*11/16/21 15:00*	*1*
Terphenyl-d14 (Surr)	*66*		*20 - 117*	*11/15/21 19:03*	*11/16/21 15:00*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*11/15/21 19:03*	*11/16/21 15:00*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1248	**0.098**		0.019	0.0045	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1254	**0.11**		0.019	0.0057	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/15/21 01:57	11/16/21 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*11/15/21 01:57*	*11/16/21 04:12*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*11/15/21 01:57*	*11/16/21 04:12*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A1C — Lab Sample ID: 180-129952-3

Date Collected: 11/12/21 15:00 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 85.8**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*11/15/21 01:57*	*11/16/21 04:12*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*11/15/21 01:57*	*11/16/21 04:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.0**		1.5	0.31	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Barium	**70**		19	0.35	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Beryllium	**0.44**	**J**	0.49	0.052	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Cadmium	**0.12**	**J**	0.49	0.047	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Chromium	**12**		0.97	0.33	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Copper	**23**		2.4	0.23	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Lead	**15**		0.97	0.27	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Manganese	**470**	**F2**	1.5	1.1	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Nickel	**21**		3.9	0.23	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Selenium	ND		1.9	0.46	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Silver	ND		0.97	0.079	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1
Zinc	**71**		4.9	1.3	mg/Kg	☼	11/15/21 12:00	11/16/21 12:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1	0.11	0.020	mg/Kg	☼	11/15/21 12:15	11/16/21 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.26**	**J F1 F2**	0.58	0.22	mg/Kg	☼	11/16/21 11:24	11/16/21 16:53	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/18/21 13:42	11/20/21 15:57	1
Percent Solids	**85.8**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**14.2**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A2A — Lab Sample ID: 180-129952-4

Date Collected: 11/12/21 15:40 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 81.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Benzene	ND		0.0050	0.00069	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
2-Butanone (MEK)	ND		0.020	0.0035	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Carbon tetrachloride	ND		0.0050	0.0032	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Chlorobenzene	ND		0.0050	0.00091	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Chloroform	ND		0.0050	0.00078	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,3-Dichlorobenzene	ND		0.0050	0.00081	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1

Client Sample ID: SSHS-IRM5A2-A2-A2A

Lab Sample ID: 180-129952-4

Date Collected: 11/12/21 15:40
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 81.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.025	0.012	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
n-Butylbenzene	ND		0.0050	0.0034	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Tetrachloroethene	ND		0.0050	0.00072	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Toluene	ND		0.0050	0.00077	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1
Xylenes, Total	ND		0.0099	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*41 - 143*	*11/13/21 11:40*	*11/17/21 12:24*	*1*
Dibromofluoromethane (Surr)	*94*		*41 - 138*	*11/13/21 11:40*	*11/17/21 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/13/21 11:40*	*11/17/21 12:24*	*1*
Toluene-d8 (Surr)	*105*		*56 - 125*	*11/13/21 11:40*	*11/17/21 12:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**81.0**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**19.0**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A2B

Lab Sample ID: 180-129952-5

Date Collected: 11/12/21 15:40
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 88.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.018	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Benzene	ND		0.0043	0.00060	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
2-Butanone (MEK)	ND		0.017	0.0031	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Carbon tetrachloride	ND		0.0043	0.0028	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Chlorobenzene	ND		0.0043	0.00079	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Chloroform	ND		0.0043	0.00068	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,2-Dichlorobenzene	ND		0.0043	0.00096	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,3-Dichlorobenzene	ND		0.0043	0.00070	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,4-Dichlorobenzene	ND		0.0043	0.00076	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,1-Dichloroethane	ND		0.0043	0.00060	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,2-Dichloroethane	ND		0.0043	0.00066	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,1-Dichloroethene	ND		0.0043	0.0016	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,4-Dioxane	ND		0.22	0.062	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Ethylbenzene	ND		0.0043	0.00090	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Methylene Chloride	ND		0.022	0.010	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Methyl tert-butyl ether	ND		0.0043	0.0017	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1

Client Sample ID: SSHS-IRM5A2-A2-A2B — Lab Sample ID: 180-129952-5

Date Collected: 11/12/21 15:40 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 88.2**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0043	0.0030	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
sec-Butylbenzene	ND		0.0043	0.0016	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
tert-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Tetrachloroethene	ND		0.0043	0.00063	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Toluene	ND		0.0043	0.00066	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
trans-1,2-Dichloroethene	ND		0.0043	0.0012	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Trichloroethene	ND		0.0043	0.00054	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0020	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0017	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Vinyl chloride	ND		0.0043	0.0015	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1
Xylenes, Total	ND		0.0086	0.0014	mg/Kg	☼	11/13/21 11:40	11/18/21 10:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*41 - 143*	*11/13/21 11:40*	*11/18/21 10:25*	*1*
Dibromofluoromethane (Surr)	*94*		*41 - 138*	*11/13/21 11:40*	*11/18/21 10:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*	*11/13/21 11:40*	*11/18/21 10:25*	*1*
Toluene-d8 (Surr)	*100*		*56 - 125*	*11/13/21 11:40*	*11/18/21 10:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.2**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**11.8**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A2C — Lab Sample ID: 180-129952-6

Date Collected: 11/12/21 15:30 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 83.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.011**		0.0080	0.0023	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Acenaphthylene	**0.0066**	**J**	0.0080	0.0017	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Anthracene	**0.025**		0.0080	0.0021	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Benzo[a]anthracene	**0.061**		0.0080	0.0036	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Benzo[a]pyrene	**0.042**		0.0080	0.0034	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Benzo[b]fluoranthene	**0.059**		0.0080	0.0020	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Benzo[g,h,i]perylene	**0.030**		0.0080	0.0017	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Benzo[k]fluoranthene	**0.022**		0.0080	0.0024	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Chrysene	**0.051**		0.0080	0.0044	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Dibenz(a,h)anthracene	**0.0093**		0.0080	0.0051	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Dibenzofuran	ND		0.039	0.015	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
2,4-Dinitrotoluene	ND		0.039	0.024	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
1,4-Dioxane	ND		0.079	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Fluoranthene	**0.099**		0.0080	0.0021	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Fluorene	**0.0095**		0.0080	0.0016	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Hexachlorobenzene	ND		0.0080	0.0028	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Hexachlorobutadiene	ND		0.0080	0.0023	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Indeno[1,2,3-cd]pyrene	**0.031**		0.0080	0.0040	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1

Client Sample ID: SSHS-IRM5A2-A2-A2C
Date Collected: 11/12/21 15:30
Date Received: 11/13/21 09:30

Lab Sample ID: 180-129952-6
Matrix: Solid
Percent Solids: 83.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Methylphenol, 3 & 4	ND		0.039	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Naphthalene	**0.0065**	**J**	0.0080	0.0015	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Nitrobenzene	ND		0.079	0.015	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Pentachlorophenol	ND		0.20	0.064	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Phenanthrene	**0.080**		0.0080	0.0021	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Phenol	ND		0.039	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Pyrene	**0.088**		0.0080	0.0019	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
Pyridine	ND		0.080	0.021	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	11/15/21 19:03	11/16/21 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*11/15/21 19:03*	*11/16/21 16:07*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*11/15/21 19:03*	*11/16/21 16:07*	*1*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*11/15/21 19:03*	*11/16/21 16:07*	*1*
Phenol-d5 (Surr)	*64*		*34 - 105*	*11/15/21 19:03*	*11/16/21 16:07*	*1*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*11/15/21 19:03*	*11/16/21 16:07*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*11/15/21 19:03*	*11/16/21 16:07*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1248	**0.068**		0.019	0.0046	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1254	**0.056**		0.019	0.0058	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/15/21 01:57	11/16/21 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*11/15/21 01:57*	*11/16/21 05:08*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/15/21 01:57*	*11/16/21 05:08*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*11/15/21 01:57*	*11/16/21 05:08*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*11/15/21 01:57*	*11/16/21 05:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.2**		1.6	0.33	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Barium	**66**		21	0.38	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Beryllium	**0.39**	**J**	0.53	0.057	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Cadmium	**0.12**	**J**	0.53	0.050	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Chromium	**11**		1.1	0.36	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Copper	**25**		2.6	0.25	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Lead	**8.9**		1.1	0.30	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Manganese	**430**		1.6	1.2	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Nickel	**21**		4.2	0.25	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Selenium	**0.60**	**J**	2.1	0.49	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1

Client Sample ID: SSHS-IRM5A2-A2-A2C

Lab Sample ID: 180-129952-6
Date Collected: 11/12/21 15:30
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 83.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.1	0.085	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1
Zinc	**80**		5.3	1.4	mg/Kg	☼	11/15/21 12:00	11/16/21 12:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.022	mg/Kg	☼	11/15/21 12:15	11/16/21 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.28**	**J**	0.54	0.20	mg/Kg	☼	11/16/21 11:24	11/16/21 17:02	1
Hexavalent chromium	ND		0.48	0.26	mg/Kg	☼	11/18/21 13:42	11/20/21 15:59	1
Percent Solids	**83.4**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**16.6**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A3A

Lab Sample ID: 180-129952-7
Date Collected: 11/12/21 16:10
Matrix: Solid
Date Received: 11/13/21 09:30
Percent Solids: 88.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.018	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Benzene	ND		0.0042	0.00059	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
2-Butanone (MEK)	ND		0.017	0.0030	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Carbon tetrachloride	ND		0.0042	0.0028	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Chlorobenzene	ND		0.0042	0.00078	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Chloroform	ND		0.0042	0.00067	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
cis-1,2-Dichloroethene	ND		0.0042	0.0013	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,2-Dichlorobenzene	ND		0.0042	0.00094	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,3-Dichlorobenzene	ND		0.0042	0.00069	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,4-Dichlorobenzene	ND		0.0042	0.00075	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,1-Dichloroethane	ND		0.0042	0.00059	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,2-Dichloroethane	ND		0.0042	0.00066	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,1-Dichloroethene	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,4-Dioxane	ND		0.21	0.061	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Ethylbenzene	ND		0.0042	0.00089	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Methylene Chloride	ND		0.021	0.010	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Methyl tert-butyl ether	ND		0.0042	0.0017	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
n-Butylbenzene	ND		0.0042	0.0029	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
N-Propylbenzene	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
sec-Butylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
tert-Butylbenzene	ND		0.0042	0.0021	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Tetrachloroethene	ND		0.0042	0.00062	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Toluene	ND		0.0042	0.00066	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
trans-1,2-Dichloroethene	ND		0.0042	0.0012	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,1,1-Trichloroethane	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Trichloroethene	**0.00084**	**J**	0.0042	0.00054	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,2,4-Trimethylbenzene	ND		0.0042	0.0020	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
1,3,5-Trimethylbenzene	ND		0.0042	0.0016	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Vinyl chloride	ND		0.0042	0.0015	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1
Xylenes, Total	ND		0.0085	0.0013	mg/Kg	☼	11/13/21 11:40	11/17/21 13:12	1

Client Sample ID: SSHS-IRM5A2-A2-A3A — Lab Sample ID: 180-129952-7

Date Collected: 11/12/21 16:10 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 88.7**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*124*		*41 - 143*	*11/13/21 11:40*	*11/17/21 13:12*	*1*
Dibromofluoromethane (Surr)	*96*		*41 - 138*	*11/13/21 11:40*	*11/17/21 13:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*58 - 125*	*11/13/21 11:40*	*11/17/21 13:12*	*1*
Toluene-d8 (Surr)	*108*		*56 - 125*	*11/13/21 11:40*	*11/17/21 13:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88.7**		0.1	0.1	%			11/15/21 12:26	1
Percent Moisture	**11.3**		0.1	0.1	%			11/15/21 12:26	1

Client Sample ID: SSHS-IRM5A2-A2-A3B — Lab Sample ID: 180-129952-8

Date Collected: 11/12/21 16:10 — **Matrix: Solid**
Date Received: 11/13/21 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.017	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Benzene	ND		0.0039	0.00055	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
2-Butanone (MEK)	ND		0.016	0.0028	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Carbon tetrachloride	ND		0.0039	0.0026	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Chlorobenzene	ND		0.0039	0.00072	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Chloroform	ND		0.0039	0.00062	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
cis-1,2-Dichloroethene	ND		0.0039	0.0012	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,2-Dichlorobenzene	ND		0.0039	0.00088	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,3-Dichlorobenzene	ND		0.0039	0.00064	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,4-Dichlorobenzene	ND		0.0039	0.00069	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,1-Dichloroethane	ND		0.0039	0.00055	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,2-Dichloroethane	ND		0.0039	0.00061	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,1-Dichloroethene	ND		0.0039	0.0014	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,4-Dioxane	ND		0.20	0.057	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Ethylbenzene	ND		0.0039	0.00082	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Methylene Chloride	ND		0.020	0.0094	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Methyl tert-butyl ether	ND		0.0039	0.0016	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
n-Butylbenzene	ND		0.0039	0.0027	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
N-Propylbenzene	ND		0.0039	0.0014	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
sec-Butylbenzene	ND		0.0039	0.0015	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
tert-Butylbenzene	ND		0.0039	0.0020	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Tetrachloroethene	ND		0.0039	0.00057	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Toluene	ND		0.0039	0.00061	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
trans-1,2-Dichloroethene	ND		0.0039	0.0011	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,1,1-Trichloroethane	ND		0.0039	0.0014	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Trichloroethene	ND		0.0039	0.00050	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,2,4-Trimethylbenzene	ND		0.0039	0.0018	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
1,3,5-Trimethylbenzene	ND		0.0039	0.0015	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Vinyl chloride	ND		0.0039	0.0014	mg/Kg		11/13/21 11:40	11/17/21 13:37	1
Xylenes, Total	ND		0.0079	0.0012	mg/Kg		11/13/21 11:40	11/17/21 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*41 - 143*	*11/13/21 11:40*	*11/17/21 13:37*	*1*
Dibromofluoromethane (Surr)	*97*		*41 - 138*	*11/13/21 11:40*	*11/17/21 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*58 - 125*	*11/13/21 11:40*	*11/17/21 13:37*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A3B — Lab Sample ID: 180-129952-8

Date Collected: 11/12/21 16:10 — **Matrix: Solid**
Date Received: 11/13/21 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*104*		*56 - 125*	*11/13/21 11:40*	*11/17/21 13:37*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A3C — Lab Sample ID: 180-129952-9

Date Collected: 11/12/21 16:00 — **Matrix: Solid**
Date Received: 11/13/21 09:30 — **Percent Solids: 84.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0052**	**J**	0.0077	0.0022	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Acenaphthylene	**0.014**		0.0077	0.0017	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Anthracene	**0.020**		0.0077	0.0020	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Benzo[a]anthracene	**0.060**		0.0077	0.0034	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Benzo[a]pyrene	**0.049**		0.0077	0.0033	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Benzo[b]fluoranthene	**0.075**		0.0077	0.0019	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Benzo[g,h,i]perylene	**0.041**		0.0077	0.0016	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Benzo[k]fluoranthene	**0.018**		0.0077	0.0023	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Chrysene	**0.063**		0.0077	0.0042	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Dibenz(a,h)anthracene	**0.012**		0.0077	0.0049	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
1,4-Dioxane	ND		0.076	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Fluoranthene	**0.10**		0.0077	0.0020	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Fluorene	**0.0063**	**J**	0.0077	0.0015	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Hexachlorobenzene	ND		0.0077	0.0027	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Hexachlorobutadiene	ND		0.0077	0.0022	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Indeno[1,2,3-cd]pyrene	**0.038**		0.0077	0.0038	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Naphthalene	**0.011**		0.0077	0.0015	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Nitrobenzene	ND		0.076	0.014	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Phenanthrene	**0.064**		0.0077	0.0021	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Pyrene	**0.099**		0.0077	0.0018	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/15/21 19:03	11/16/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*67*		*35 - 105*	*11/15/21 19:03*	*11/16/21 16:29*	*1*
2-Fluorophenol (Surr)	*69*		*32 - 105*	*11/15/21 19:03*	*11/16/21 16:29*	*1*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*11/15/21 19:03*	*11/16/21 16:29*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/15/21 19:03*	*11/16/21 16:29*	*1*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*11/15/21 19:03*	*11/16/21 16:29*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*11/15/21 19:03*	*11/16/21 16:29*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1

Client Sample ID: SSHS-IRM5A2-A2-A3C
Date Collected: 11/12/21 16:00
Date Received: 11/13/21 09:30

Lab Sample ID: 180-129952-9
Matrix: Solid
Percent Solids: 84.5

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1248	**0.15**		0.020	0.0047	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1254	**0.12**		0.020	0.0059	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1260	ND		0.020	0.0056	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	11/15/21 01:57	11/16/21 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/15/21 01:57*	*11/16/21 05:26*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/15/21 01:57*	*11/16/21 05:26*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*11/15/21 01:57*	*11/16/21 05:26*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*11/15/21 01:57*	*11/16/21 05:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**21**		1.6	0.34	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Barium	**56**		22	0.39	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Beryllium	**0.34**	**J**	0.54	0.059	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Cadmium	**0.092**	**J**	0.54	0.052	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Chromium	**39**		1.1	0.37	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Copper	**25**		2.7	0.26	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Lead	**12**		1.1	0.31	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Manganese	**430**		1.6	1.2	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Nickel	**21**		4.3	0.25	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Selenium	ND		2.2	0.51	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Silver	ND		1.1	0.088	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1
Zinc	**72**		5.4	1.5	mg/Kg	☼	11/15/21 12:00	11/16/21 12:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.11	0.021	mg/Kg	☼	11/15/21 12:15	11/16/21 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.48**	**J**	0.62	0.23	mg/Kg	☼	11/16/21 11:24	11/16/21 17:04	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/18/21 13:42	11/20/21 16:00	1
Percent Solids	**84.5**		0.1	0.1	%			11/16/21 12:15	1
Percent Moisture	**15.5**		0.1	0.1	%			11/16/21 12:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-512176/4-A
Matrix: Solid
Analysis Batch: 513564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/09/21 16:36	11/18/21 10:01	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/09/21 16:36	11/18/21 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41 - 143*	*11/09/21 16:36*	*11/18/21 10:01*	*1*
Dibromofluoromethane (Surr)	*97*		*41 - 138*	*11/09/21 16:36*	*11/18/21 10:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*58 - 125*	*11/09/21 16:36*	*11/18/21 10:01*	*1*
Toluene-d8 (Surr)	*103*		*56 - 125*	*11/09/21 16:36*	*11/18/21 10:01*	*1*

Lab Sample ID: MB 240-513070/2-A
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Benzene	ND		0.0050	0.00070	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Chloroform	ND		0.0050	0.00079	mg/Kg		11/15/21 18:31	11/17/21 10:49	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-513070/2-A
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Methylene Chloride	ND		0.025	0.012	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Toluene	ND		0.0050	0.00077	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg		11/15/21 18:31	11/17/21 10:49	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg		11/15/21 18:31	11/17/21 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*41 - 143*	*11/15/21 18:31*	*11/17/21 10:49*	*1*
Dibromofluoromethane (Surr)	*92*		*41 - 138*	*11/15/21 18:31*	*11/17/21 10:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*58 - 125*	*11/15/21 18:31*	*11/17/21 10:49*	*1*
Toluene-d8 (Surr)	*99*		*56 - 125*	*11/15/21 18:31*	*11/17/21 10:49*	*1*

Lab Sample ID: 180-129952-1 MS
Matrix: Solid
Analysis Batch: 513292

Client Sample ID: SSHS-IRM5A2-A2-A1A
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.104	0.104		mg/Kg	☼	100	35 - 167
Benzene	ND		0.0519	0.0509		mg/Kg	☼	98	39 - 134
2-Butanone (MEK)	ND		0.104	0.105		mg/Kg	☼	101	30 - 157
Carbon tetrachloride	ND		0.0519	0.0533		mg/Kg	☼	103	37 - 145
Chlorobenzene	ND		0.0519	0.0415		mg/Kg	☼	80	18 - 134
Chloroform	ND		0.0519	0.0510		mg/Kg	☼	98	43 - 134
cis-1,2-Dichloroethene	ND		0.0519	0.0479		mg/Kg	☼	92	48 - 132
1,2-Dichlorobenzene	ND		0.0519	0.0350		mg/Kg	☼	67	10 - 126
1,3-Dichlorobenzene	ND		0.0519	0.0346		mg/Kg	☼	67	10 - 131
1,4-Dichlorobenzene	ND		0.0519	0.0343		mg/Kg	☼	66	10 - 129
1,1-Dichloroethane	ND		0.0519	0.0521		mg/Kg	☼	100	46 - 135
1,2-Dichloroethane	ND		0.0519	0.0545		mg/Kg	☼	105	40 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129952-1 MS
Matrix: Solid
Analysis Batch: 513292

Client Sample ID: SSHS-IRM5A2-A2-A1A
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		0.0519	0.0558		mg/Kg	☼	107	44 - 160
1,4-Dioxane	ND		1.04	1.23		mg/Kg	☼	119	45 - 164
Ethylbenzene	ND		0.0519	0.0413		mg/Kg	☼	80	17 - 137
Methylene Chloride	ND		0.0519	0.0516		mg/Kg	☼	99	38 - 145
Methyl tert-butyl ether	ND		0.0519	0.0553		mg/Kg	☼	107	55 - 134
n-Butylbenzene	ND		0.0519	0.0332		mg/Kg	☼	64	10 - 140
N-Propylbenzene	ND		0.0519	0.0378		mg/Kg	☼	73	10 - 156
sec-Butylbenzene	ND		0.0519	0.0375		mg/Kg	☼	72	10 - 148
tert-Butylbenzene	ND		0.0519	0.0396		mg/Kg	☼	76	15 - 151
Tetrachloroethene	ND		0.0519	0.0478		mg/Kg	☼	92	19 - 147
Toluene	ND		0.0519	0.0447		mg/Kg	☼	86	30 - 137
trans-1,2-Dichloroethene	ND		0.0519	0.0511		mg/Kg	☼	98	41 - 145
1,1,1-Trichloroethane	ND		0.0519	0.0528		mg/Kg	☼	102	46 - 144
Trichloroethene	ND		0.0519	0.0510		mg/Kg	☼	98	21 - 158
1,2,4-Trimethylbenzene	ND		0.0519	0.0374		mg/Kg	☼	72	10 - 147
1,3,5-Trimethylbenzene	ND		0.0519	0.0381		mg/Kg	☼	73	10 - 141
Vinyl chloride	ND		0.0208	0.0188		mg/Kg	☼	91	32 - 163
Xylenes, Total	ND		0.104	0.0811		mg/Kg	☼	78	17 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*41 - 143*
Dibromofluoromethane (Surr)	*90*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*
Toluene-d8 (Surr)	*88*		*56 - 125*

Lab Sample ID: 180-129952-1 MSD
Matrix: Solid
Analysis Batch: 513292

Client Sample ID: SSHS-IRM5A2-A2-A1A
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.104	0.112		mg/Kg	☼	108	35 - 167	7	40
Benzene	ND		0.0520	0.0499		mg/Kg	☼	96	39 - 134	2	40
2-Butanone (MEK)	ND		0.104	0.117		mg/Kg	☼	113	30 - 157	11	40
Carbon tetrachloride	ND		0.0520	0.0516		mg/Kg	☼	99	37 - 145	3	38
Chlorobenzene	ND		0.0520	0.0404		mg/Kg	☼	78	18 - 134	3	40
Chloroform	ND		0.0520	0.0510		mg/Kg	☼	98	43 - 134	0	36
cis-1,2-Dichloroethene	ND		0.0520	0.0483		mg/Kg	☼	93	48 - 132	1	37
1,2-Dichlorobenzene	ND		0.0520	0.0359		mg/Kg	☼	69	10 - 126	3	40
1,3-Dichlorobenzene	ND		0.0520	0.0344		mg/Kg	☼	66	10 - 131	1	40
1,4-Dichlorobenzene	ND		0.0520	0.0336		mg/Kg	☼	65	10 - 129	2	40
1,1-Dichloroethane	ND		0.0520	0.0513		mg/Kg	☼	99	46 - 135	2	36
1,2-Dichloroethane	ND		0.0520	0.0564		mg/Kg	☼	109	40 - 132	4	35
1,1-Dichloroethene	ND		0.0520	0.0542		mg/Kg	☼	104	44 - 160	3	37
1,4-Dioxane	ND		1.04	1.49		mg/Kg	☼	143	45 - 164	19	40
Ethylbenzene	ND		0.0520	0.0390		mg/Kg	☼	75	17 - 137	6	40
Methylene Chloride	ND		0.0520	0.0518		mg/Kg	☼	100	38 - 145	0	40
Methyl tert-butyl ether	ND		0.0520	0.0600		mg/Kg	☼	115	55 - 134	8	37
n-Butylbenzene	ND		0.0520	0.0287		mg/Kg	☼	55	10 - 140	15	40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129952-1 MSD
Matrix: Solid
Analysis Batch: 513292

Client Sample ID: SSHS-IRM5A2-A2-A1A
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND		0.0520	0.0353		mg/Kg	☼	68	10 - 156	7	40
sec-Butylbenzene	ND		0.0520	0.0339		mg/Kg	☼	65	10 - 148	10	40
tert-Butylbenzene	ND		0.0520	0.0351		mg/Kg	☼	67	15 - 151	12	40
Tetrachloroethene	ND		0.0520	0.0453		mg/Kg	☼	87	19 - 147	5	40
Toluene	ND		0.0520	0.0436		mg/Kg	☼	84	30 - 137	2	40
trans-1,2-Dichloroethene	ND		0.0520	0.0491		mg/Kg	☼	94	41 - 145	4	37
1,1,1-Trichloroethane	ND		0.0520	0.0521		mg/Kg	☼	100	46 - 144	1	37
Trichloroethene	ND		0.0520	0.0490		mg/Kg	☼	94	21 - 158	4	40
1,2,4-Trimethylbenzene	ND		0.0520	0.0354		mg/Kg	☼	68	10 - 147	5	40
1,3,5-Trimethylbenzene	ND		0.0520	0.0355		mg/Kg	☼	68	10 - 141	7	40
Vinyl chloride	ND		0.0208	0.0180		mg/Kg	☼	86	32 - 163	5	38
Xylenes, Total	ND		0.104	0.0772		mg/Kg	☼	74	17 - 138	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*41 - 143*
Dibromofluoromethane (Surr)	*89*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*90*		*58 - 125*
Toluene-d8 (Surr)	*88*		*56 - 125*

Lab Sample ID: 180-129952-2 MS
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: SSHS-IRM5A2-A2-A1B
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	F1	0.0939	0.138		mg/Kg	☼	146	35 - 167
Benzene	ND		0.0470	0.0445		mg/Kg	☼	95	39 - 134
2-Butanone (MEK)	ND		0.0939	0.105		mg/Kg	☼	112	30 - 157
Carbon tetrachloride	ND		0.0470	0.0494		mg/Kg	☼	105	37 - 145
Chlorobenzene	ND		0.0470	0.0468		mg/Kg	☼	100	18 - 134
Chloroform	ND		0.0470	0.0449		mg/Kg	☼	96	43 - 134
cis-1,2-Dichloroethene	ND		0.0470	0.0444		mg/Kg	☼	95	48 - 132
1,2-Dichlorobenzene	ND		0.0470	0.0482		mg/Kg	☼	103	10 - 126
1,3-Dichlorobenzene	ND		0.0470	0.0513		mg/Kg	☼	109	10 - 131
1,4-Dichlorobenzene	ND		0.0470	0.0503		mg/Kg	☼	107	10 - 129
1,1-Dichloroethane	ND		0.0470	0.0444		mg/Kg	☼	94	46 - 135
1,2-Dichloroethane	ND		0.0470	0.0454		mg/Kg	☼	97	40 - 132
1,1-Dichloroethene	ND		0.0470	0.0475		mg/Kg	☼	101	44 - 160
1,4-Dioxane	ND		0.939	0.982		mg/Kg	☼	105	45 - 164
Ethylbenzene	ND		0.0470	0.0496		mg/Kg	☼	106	17 - 137
Methylene Chloride	ND		0.0470	0.0494		mg/Kg	☼	105	38 - 145
Methyl tert-butyl ether	ND		0.0470	0.0456		mg/Kg	☼	97	55 - 134
n-Butylbenzene	ND		0.0470	0.0526		mg/Kg	☼	112	10 - 140
N-Propylbenzene	ND		0.0470	0.0606		mg/Kg	☼	129	10 - 156
sec-Butylbenzene	ND		0.0470	0.0573		mg/Kg	☼	122	10 - 148
tert-Butylbenzene	ND		0.0470	0.0604		mg/Kg	☼	129	15 - 151
Tetrachloroethene	ND		0.0470	0.0530		mg/Kg	☼	113	19 - 147
Toluene	0.0017	J	0.0470	0.0485		mg/Kg	☼	100	30 - 137
trans-1,2-Dichloroethene	ND		0.0470	0.0465		mg/Kg	☼	99	41 - 145

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129952-2 MS
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: SSHS-IRM5A2-A2-A1B
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		0.0470	0.0485		mg/Kg	☼	103	46 - 144
Trichloroethene	ND		0.0470	0.0463		mg/Kg	☼	99	21 - 158
1,2,4-Trimethylbenzene	ND		0.0470	0.0582		mg/Kg	☼	124	10 - 147
1,3,5-Trimethylbenzene	ND		0.0470	0.0606		mg/Kg	☼	129	10 - 141
Vinyl chloride	ND		0.0188	0.0290		mg/Kg	☼	155	32 - 163
Xylenes, Total	ND		0.0939	0.0996		mg/Kg	☼	106	17 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*41 - 143*
Dibromofluoromethane (Surr)	*93*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*87*		*58 - 125*
Toluene-d8 (Surr)	*105*		*56 - 125*

Lab Sample ID: 180-129952-2 MSD
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: SSHS-IRM5A2-A2-A1B
Prep Type: Total/NA
Prep Batch: 513070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	F1	0.104	0.182	F1	mg/Kg	☼	176	35 - 167	28	40
Benzene	ND		0.0518	0.0531		mg/Kg	☼	103	39 - 134	18	40
2-Butanone (MEK)	ND		0.104	0.146		mg/Kg	☼	141	30 - 157	32	40
Carbon tetrachloride	ND		0.0518	0.0607		mg/Kg	☼	117	37 - 145	20	38
Chlorobenzene	ND		0.0518	0.0549		mg/Kg	☼	106	18 - 134	16	40
Chloroform	ND		0.0518	0.0541		mg/Kg	☼	105	43 - 134	19	36
cis-1,2-Dichloroethene	ND		0.0518	0.0534		mg/Kg	☼	103	48 - 132	18	37
1,2-Dichlorobenzene	ND		0.0518	0.0535		mg/Kg	☼	103	10 - 126	10	40
1,3-Dichlorobenzene	ND		0.0518	0.0556		mg/Kg	☼	107	10 - 131	8	40
1,4-Dichlorobenzene	ND		0.0518	0.0542		mg/Kg	☼	105	10 - 129	7	40
1,1-Dichloroethane	ND		0.0518	0.0540		mg/Kg	☼	104	46 - 135	20	36
1,2-Dichloroethane	ND		0.0518	0.0564		mg/Kg	☼	109	40 - 132	22	35
1,1-Dichloroethene	ND		0.0518	0.0575		mg/Kg	☼	111	44 - 160	19	37
1,4-Dioxane	ND		1.04	1.20		mg/Kg	☼	116	45 - 164	20	40
Ethylbenzene	ND		0.0518	0.0568		mg/Kg	☼	110	17 - 137	13	40
Methylene Chloride	ND		0.0518	0.0602		mg/Kg	☼	116	38 - 145	20	40
Methyl tert-butyl ether	ND		0.0518	0.0579		mg/Kg	☼	112	55 - 134	24	37
n-Butylbenzene	ND		0.0518	0.0565		mg/Kg	☼	109	10 - 140	7	40
N-Propylbenzene	ND		0.0518	0.0612		mg/Kg	☼	118	10 - 156	1	40
sec-Butylbenzene	ND		0.0518	0.0614		mg/Kg	☼	119	10 - 148	7	40
tert-Butylbenzene	ND		0.0518	0.0629		mg/Kg	☼	121	15 - 151	4	40
Tetrachloroethene	ND		0.0518	0.0590		mg/Kg	☼	114	19 - 147	11	40
Toluene	0.0017	J	0.0518	0.0563		mg/Kg	☼	106	30 - 137	15	40
trans-1,2-Dichloroethene	ND		0.0518	0.0573		mg/Kg	☼	111	41 - 145	21	37
1,1,1-Trichloroethane	ND		0.0518	0.0600		mg/Kg	☼	116	46 - 144	21	37
Trichloroethene	ND		0.0518	0.0551		mg/Kg	☼	106	21 - 158	17	40
1,2,4-Trimethylbenzene	ND		0.0518	0.0610		mg/Kg	☼	118	10 - 147	5	40
1,3,5-Trimethylbenzene	ND		0.0518	0.0613		mg/Kg	☼	118	10 - 141	1	40
Vinyl chloride	ND		0.0207	0.0323		mg/Kg	☼	156	32 - 163	11	38
Xylenes, Total	ND		0.104	0.114		mg/Kg	☼	110	17 - 138	13	40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-129952-2 MSD
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: SSHS-IRM5A2-A2-A1B
Prep Type: Total/NA
Prep Batch: 513070

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*108*		*41 - 143*
Dibromofluoromethane (Surr)	*97*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*
Toluene-d8 (Surr)	*102*		*56 - 125*

Lab Sample ID: MB 240-513292/6
Matrix: Solid
Analysis Batch: 513292

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.021	mg/Kg			11/16/21 20:09	1
Benzene	ND		0.0050	0.00070	mg/Kg			11/16/21 20:09	1
2-Butanone (MEK)	ND		0.020	0.0036	mg/Kg			11/16/21 20:09	1
Carbon tetrachloride	ND		0.0050	0.0033	mg/Kg			11/16/21 20:09	1
Chlorobenzene	ND		0.0050	0.00092	mg/Kg			11/16/21 20:09	1
Chloroform	ND		0.0050	0.00079	mg/Kg			11/16/21 20:09	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			11/16/21 20:09	1
1,2-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg			11/16/21 20:09	1
1,3-Dichlorobenzene	ND		0.0050	0.00082	mg/Kg			11/16/21 20:09	1
1,4-Dichlorobenzene	ND		0.0050	0.00088	mg/Kg			11/16/21 20:09	1
1,1-Dichloroethane	ND		0.0050	0.00069	mg/Kg			11/16/21 20:09	1
1,2-Dichloroethane	ND		0.0050	0.00077	mg/Kg			11/16/21 20:09	1
1,1-Dichloroethene	ND		0.0050	0.0018	mg/Kg			11/16/21 20:09	1
1,4-Dioxane	ND		0.25	0.072	mg/Kg			11/16/21 20:09	1
Ethylbenzene	ND		0.0050	0.0010	mg/Kg			11/16/21 20:09	1
Methylene Chloride	ND		0.025	0.012	mg/Kg			11/16/21 20:09	1
Methyl tert-butyl ether	ND		0.0050	0.0020	mg/Kg			11/16/21 20:09	1
n-Butylbenzene	ND		0.0050	0.0035	mg/Kg			11/16/21 20:09	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			11/16/21 20:09	1
sec-Butylbenzene	ND		0.0050	0.0019	mg/Kg			11/16/21 20:09	1
tert-Butylbenzene	ND		0.0050	0.0025	mg/Kg			11/16/21 20:09	1
Tetrachloroethene	ND		0.0050	0.00073	mg/Kg			11/16/21 20:09	1
Toluene	ND		0.0050	0.00077	mg/Kg			11/16/21 20:09	1
trans-1,2-Dichloroethene	ND		0.0050	0.0014	mg/Kg			11/16/21 20:09	1
1,1,1-Trichloroethane	ND		0.0050	0.0018	mg/Kg			11/16/21 20:09	1
Trichloroethene	ND		0.0050	0.00063	mg/Kg			11/16/21 20:09	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0023	mg/Kg			11/16/21 20:09	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			11/16/21 20:09	1
Vinyl chloride	ND		0.0050	0.0018	mg/Kg			11/16/21 20:09	1
Xylenes, Total	ND		0.010	0.0016	mg/Kg			11/16/21 20:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*98*		*41 - 143*		*11/16/21 20:09*	*1*
Dibromofluoromethane (Surr)	*82*		*41 - 138*		*11/16/21 20:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*58 - 125*		*11/16/21 20:09*	*1*
Toluene-d8 (Surr)	*85*		*56 - 125*		*11/16/21 20:09*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-513292/5
Matrix: Solid
Analysis Batch: 513292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0921		mg/Kg		92	58 - 160
Benzene	0.0500	0.0459		mg/Kg		92	76 - 121
2-Butanone (MEK)	0.100	0.0850		mg/Kg		85	63 - 142
Carbon tetrachloride	0.0500	0.0478		mg/Kg		96	64 - 144
Chlorobenzene	0.0500	0.0430		mg/Kg		86	80 - 120
Chloroform	0.0500	0.0459		mg/Kg		92	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0435		mg/Kg		87	78 - 124
1,2-Dichlorobenzene	0.0500	0.0415		mg/Kg		83	73 - 120
1,3-Dichlorobenzene	0.0500	0.0415		mg/Kg		83	73 - 120
1,4-Dichlorobenzene	0.0500	0.0411		mg/Kg		82	74 - 120
1,1-Dichloroethane	0.0500	0.0463		mg/Kg		93	74 - 121
1,2-Dichloroethane	0.0500	0.0487		mg/Kg		97	71 - 123
1,1-Dichloroethene	0.0500	0.0489		mg/Kg		98	68 - 141
1,4-Dioxane	1.00	0.855		mg/Kg		85	57 - 147
Ethylbenzene	0.0500	0.0424		mg/Kg		85	80 - 120
Methylene Chloride	0.0500	0.0471		mg/Kg		94	71 - 124
Methyl tert-butyl ether	0.0500	0.0492		mg/Kg		98	70 - 130
n-Butylbenzene	0.0500	0.0394		mg/Kg		79	70 - 135
N-Propylbenzene	0.0500	0.0413		mg/Kg		83	78 - 126
sec-Butylbenzene	0.0500	0.0417		mg/Kg		83	77 - 130
tert-Butylbenzene	0.0500	0.0423		mg/Kg		85	79 - 128
Tetrachloroethene	0.0500	0.0456		mg/Kg		91	76 - 127
Toluene	0.0500	0.0428		mg/Kg		86	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0453		mg/Kg		91	76 - 130
1,1,1-Trichloroethane	0.0500	0.0471		mg/Kg		94	74 - 136
Trichloroethene	0.0500	0.0469		mg/Kg		94	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0422		mg/Kg		84	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0415		mg/Kg		83	79 - 128
Vinyl chloride	0.0200	0.0163		mg/Kg		82	49 - 146
Xylenes, Total	0.100	0.0844		mg/Kg		84	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*41 - 143*
Dibromofluoromethane (Surr)	*88*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*90*		*58 - 125*
Toluene-d8 (Surr)	*89*		*56 - 125*

Lab Sample ID: LCS 240-513358/5
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.145		mg/Kg		145	58 - 160
Benzene	0.0500	0.0497		mg/Kg		99	76 - 121
2-Butanone (MEK)	0.100	0.110		mg/Kg		110	63 - 142
Carbon tetrachloride	0.0500	0.0552		mg/Kg		110	64 - 144
Chlorobenzene	0.0500	0.0521		mg/Kg		104	80 - 120
Chloroform	0.0500	0.0502		mg/Kg		100	78 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-513358/5
Matrix: Solid
Analysis Batch: 513358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0500	0.0501		mg/Kg		100	78 - 124
1,2-Dichlorobenzene	0.0500	0.0542		mg/Kg		108	73 - 120
1,3-Dichlorobenzene	0.0500	0.0549		mg/Kg		110	73 - 120
1,4-Dichlorobenzene	0.0500	0.0553		mg/Kg		111	74 - 120
1,1-Dichloroethane	0.0500	0.0495		mg/Kg		99	74 - 121
1,2-Dichloroethane	0.0500	0.0507		mg/Kg		101	71 - 123
1,1-Dichloroethene	0.0500	0.0544		mg/Kg		109	68 - 141
1,4-Dioxane	1.00	1.08		mg/Kg		108	57 - 147
Ethylbenzene	0.0500	0.0535		mg/Kg		107	80 - 120
Methylene Chloride	0.0500	0.0556		mg/Kg		111	71 - 124
Methyl tert-butyl ether	0.0500	0.0501		mg/Kg		100	70 - 130
n-Butylbenzene	0.0500	0.0586		mg/Kg		117	70 - 135
N-Propylbenzene	0.0500	0.0564		mg/Kg		113	78 - 126
sec-Butylbenzene	0.0500	0.0567		mg/Kg		113	77 - 130
tert-Butylbenzene	0.0500	0.0565		mg/Kg		113	79 - 128
Tetrachloroethene	0.0500	0.0558		mg/Kg		112	76 - 127
Toluene	0.0500	0.0508		mg/Kg		102	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0534		mg/Kg		107	76 - 130
1,1,1-Trichloroethane	0.0500	0.0541		mg/Kg		108	74 - 136
Trichloroethene	0.0500	0.0532		mg/Kg		106	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0561		mg/Kg		112	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0565		mg/Kg		113	79 - 128
Vinyl chloride	0.0200	0.0108		mg/Kg		54	49 - 146
Xylenes, Total	0.100	0.110		mg/Kg		110	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*41 - 143*
Dibromofluoromethane (Surr)	*95*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*89*		*58 - 125*
Toluene-d8 (Surr)	*99*		*56 - 125*

Lab Sample ID: LCS 240-513564/5
Matrix: Solid
Analysis Batch: 513564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.147		mg/Kg		147	58 - 160
Benzene	0.0500	0.0505		mg/Kg		101	76 - 121
2-Butanone (MEK)	0.100	0.117		mg/Kg		117	63 - 142
Carbon tetrachloride	0.0500	0.0571		mg/Kg		114	64 - 144
Chlorobenzene	0.0500	0.0520		mg/Kg		104	80 - 120
Chloroform	0.0500	0.0504		mg/Kg		101	78 - 120
cis-1,2-Dichloroethene	0.0500	0.0507		mg/Kg		101	78 - 124
1,2-Dichlorobenzene	0.0500	0.0534		mg/Kg		107	73 - 120
1,3-Dichlorobenzene	0.0500	0.0545		mg/Kg		109	73 - 120
1,4-Dichlorobenzene	0.0500	0.0540		mg/Kg		108	74 - 120
1,1-Dichloroethane	0.0500	0.0495		mg/Kg		99	74 - 121
1,2-Dichloroethane	0.0500	0.0515		mg/Kg		103	71 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-513564/5
Matrix: Solid
Analysis Batch: 513564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0500	0.0528		mg/Kg		106	68 - 141
1,4-Dioxane	1.00	1.12		mg/Kg		112	57 - 147
Ethylbenzene	0.0500	0.0542		mg/Kg		108	80 - 120
Methylene Chloride	0.0500	0.0537		mg/Kg		107	71 - 124
Methyl tert-butyl ether	0.0500	0.0520		mg/Kg		104	70 - 130
n-Butylbenzene	0.0500	0.0567		mg/Kg		113	70 - 135
N-Propylbenzene	0.0500	0.0567		mg/Kg		113	78 - 126
sec-Butylbenzene	0.0500	0.0566		mg/Kg		113	77 - 130
tert-Butylbenzene	0.0500	0.0564		mg/Kg		113	79 - 128
Tetrachloroethene	0.0500	0.0561		mg/Kg		112	76 - 127
Toluene	0.0500	0.0513		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0500	0.0530		mg/Kg		106	76 - 130
1,1,1-Trichloroethane	0.0500	0.0556		mg/Kg		111	74 - 136
Trichloroethene	0.0500	0.0541		mg/Kg		108	74 - 130
1,2,4-Trimethylbenzene	0.0500	0.0561		mg/Kg		112	77 - 130
1,3,5-Trimethylbenzene	0.0500	0.0570		mg/Kg		114	79 - 128
Vinyl chloride	0.0200	0.0184		mg/Kg		92	49 - 146
Xylenes, Total	0.100	0.109		mg/Kg		109	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*41 - 143*
Dibromofluoromethane (Surr)	*97*		*41 - 138*
1,2-Dichloroethane-d4 (Surr)	*92*		*58 - 125*
Toluene-d8 (Surr)	*102*		*56 - 125*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-378997/1-A
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Anthracene	ND		0.0034	0.00087	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Chrysene	ND		0.0034	0.0019	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Fluorene	ND		0.0034	0.00066	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		11/15/21 19:03	11/16/21 12:04	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-378997/1-A
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 378997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.017	0.0059	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Phenol	ND		0.017	0.0051	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Pyrene	ND		0.0034	0.00079	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
Pyridine	ND		0.034	0.0090	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		11/15/21 19:03	11/16/21 12:04	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		11/15/21 19:03	11/16/21 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*11/15/21 19:03*	*11/16/21 12:04*	*1*
2-Fluorophenol (Surr)	*85*		*32 - 105*	*11/15/21 19:03*	*11/16/21 12:04*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*11/15/21 19:03*	*11/16/21 12:04*	*1*
Phenol-d5 (Surr)	*79*		*34 - 105*	*11/15/21 19:03*	*11/16/21 12:04*	*1*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*11/15/21 19:03*	*11/16/21 12:04*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*11/15/21 19:03*	*11/16/21 12:04*	*1*

Lab Sample ID: LCS 180-378997/2-A
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.257		mg/Kg		77	41 - 100
Acenaphthylene	0.333	0.267		mg/Kg		80	45 - 100
Anthracene	0.333	0.293		mg/Kg		88	47 - 100
Benzo[a]anthracene	0.333	0.300		mg/Kg		90	47 - 100
Benzo[a]pyrene	0.333	0.257		mg/Kg		77	45 - 101
Benzo[b]fluoranthene	0.333	0.259		mg/Kg		78	44 - 100
Benzo[g,h,i]perylene	0.333	0.248		mg/Kg		75	45 - 103
Benzo[k]fluoranthene	0.333	0.236		mg/Kg		71	43 - 100
Chrysene	0.333	0.270		mg/Kg		81	44 - 100
Dibenz(a,h)anthracene	0.333	0.274		mg/Kg		82	46 - 107
Dibenzofuran	0.333	0.261		mg/Kg		78	47 - 100
2,4-Dinitrotoluene	0.333	0.289		mg/Kg		87	48 - 106
1,4-Dioxane	0.333	0.251		mg/Kg		75	10 - 133
Fluoranthene	0.333	0.286		mg/Kg		86	49 - 102
Fluorene	0.333	0.259		mg/Kg		78	46 - 100
Hexachlorobenzene	0.333	0.259		mg/Kg		78	45 - 101
Hexachlorobutadiene	0.333	0.257		mg/Kg		77	38 - 110
Hexachloroethane	0.333	0.262		mg/Kg		78	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.268		mg/Kg		80	48 - 104
2-Methylphenol	0.333	0.264		mg/Kg		79	43 - 101
Methylphenol, 3 & 4	0.333	0.267		mg/Kg		80	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-378997/2-A
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 378997

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Naphthalene			0.333	0.269		mg/Kg		81	43 - 100		
Nitrobenzene			0.333	0.279		mg/Kg		84	43 - 107		
Pentachlorophenol			0.667	0.537		mg/Kg		80	34 - 112		
Phenanthrene			0.333	0.283		mg/Kg		85	46 - 100		
Phenol			0.333	0.271		mg/Kg		81	42 - 103		
Pyrene			0.333	0.279		mg/Kg		84	44 - 102		
Pyridine			0.667	0.573		mg/Kg		86	25 - 109		
2,4,5-Trichlorophenol			0.333	0.271		mg/Kg		81	47 - 108		
2,4,6-Trichlorophenol			0.333	0.269		mg/Kg		81	47 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*35 - 105*
2-Fluorophenol (Surr)	*87*		*32 - 105*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*
Phenol-d5 (Surr)	*81*		*34 - 105*
Terphenyl-d14 (Surr)	*79*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*88*		*20 - 119*

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 378997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	ND		0.772	0.577		mg/Kg	☼	75	41 - 100		
Acenaphthylene	0.0088		0.772	0.573		mg/Kg	☼	73	45 - 100		
Anthracene	0.0073	J	0.772	0.612		mg/Kg	☼	78	47 - 100		
Benzo[a]anthracene	0.019		0.772	0.643		mg/Kg	☼	81	47 - 100		
Benzo[a]pyrene	0.015		0.772	0.565		mg/Kg	☼	71	45 - 101		
Benzo[b]fluoranthene	0.024		0.772	0.575		mg/Kg	☼	71	44 - 100		
Benzo[g,h,i]perylene	0.017		0.772	0.619		mg/Kg	☼	78	45 - 103		
Benzo[k]fluoranthene	0.0076	J	0.772	0.489		mg/Kg	☼	62	43 - 100		
Chrysene	0.020		0.772	0.593		mg/Kg	☼	74	44 - 100		
Dibenz(a,h)anthracene	ND		0.772	0.650		mg/Kg	☼	84	46 - 107		
Dibenzofuran	ND		0.772	0.571		mg/Kg	☼	74	47 - 100		
2,4-Dinitrotoluene	ND		0.772	0.644		mg/Kg	☼	83	48 - 106		
1,4-Dioxane	ND		0.772	0.406		mg/Kg	☼	53	10 - 133		
Fluoranthene	0.032		0.772	0.656		mg/Kg	☼	81	49 - 102		
Fluorene	ND		0.772	0.589		mg/Kg	☼	76	46 - 100		
Hexachlorobenzene	ND		0.772	0.598		mg/Kg	☼	78	45 - 101		
Hexachlorobutadiene	ND		0.772	0.516		mg/Kg	☼	67	38 - 110		
Hexachloroethane	ND		0.772	0.493		mg/Kg	☼	64	40 - 100		
Indeno[1,2,3-cd]pyrene	0.016		0.772	0.652		mg/Kg	☼	82	48 - 104		
2-Methylphenol	ND		0.772	0.514		mg/Kg	☼	67	43 - 101		
Methylphenol, 3 & 4	ND		0.772	0.553		mg/Kg	☼	72	43 - 104		
Naphthalene	0.0047	J	0.772	0.542		mg/Kg	☼	70	43 - 100		
Nitrobenzene	ND		0.772	0.563		mg/Kg	☼	73	43 - 107		
Pentachlorophenol	ND	F1	1.54	0.556		mg/Kg	☼	36	34 - 112		
Phenanthrene	0.020		0.772	0.602		mg/Kg	☼	75	46 - 100		

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 378997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		0.772	0.557		mg/Kg	☼	72	42 - 103
Pyrene	0.030		0.772	0.629		mg/Kg	☼	78	44 - 102
Pyridine	ND		1.54	0.559		mg/Kg	☼	36	25 - 109
2,4,5-Trichlorophenol	ND		0.772	0.602		mg/Kg	☼	78	47 - 108
2,4,6-Trichlorophenol	ND		0.772	0.540		mg/Kg	☼	70	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*35 - 105*
2-Fluorophenol (Surr)	*76*		*32 - 105*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*
Phenol-d5 (Surr)	*76*		*34 - 105*
Terphenyl-d14 (Surr)	*74*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*

Lab Sample ID: 180-129952-3 MSD
Matrix: Solid
Analysis Batch: 379096

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 378997

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.762	0.506		mg/Kg	☼	66	41 - 100	13	22
Acenaphthylene	0.0088		0.762	0.518		mg/Kg	☼	67	45 - 100	10	23
Anthracene	0.0073	J	0.762	0.533		mg/Kg	☼	69	47 - 100	14	26
Benzo[a]anthracene	0.019		0.762	0.578		mg/Kg	☼	73	47 - 100	11	24
Benzo[a]pyrene	0.015		0.762	0.473		mg/Kg	☼	60	45 - 101	18	21
Benzo[b]fluoranthene	0.024		0.762	0.486		mg/Kg	☼	61	44 - 100	17	26
Benzo[g,h,i]perylene	0.017		0.762	0.529		mg/Kg	☼	67	45 - 103	16	22
Benzo[k]fluoranthene	0.0076	J	0.762	0.427		mg/Kg	☼	55	43 - 100	13	18
Chrysene	0.020		0.762	0.529		mg/Kg	☼	67	44 - 100	11	26
Dibenz(a,h)anthracene	ND		0.762	0.574		mg/Kg	☼	75	46 - 107	12	24
Dibenzofuran	ND		0.762	0.508		mg/Kg	☼	67	47 - 100	12	19
2,4-Dinitrotoluene	ND		0.762	0.569		mg/Kg	☼	75	48 - 106	12	20
1,4-Dioxane	ND		0.762	0.331		mg/Kg	☼	43	10 - 133	20	40
Fluoranthene	0.032		0.762	0.537		mg/Kg	☼	66	49 - 102	20	26
Fluorene	ND		0.762	0.506		mg/Kg	☼	66	46 - 100	15	22
Hexachlorobenzene	ND		0.762	0.492		mg/Kg	☼	65	45 - 101	19	27
Hexachlorobutadiene	ND		0.762	0.441		mg/Kg	☼	58	38 - 110	16	27
Hexachloroethane	ND		0.762	0.420		mg/Kg	☼	55	40 - 100	16	27
Indeno[1,2,3-cd]pyrene	0.016		0.762	0.568		mg/Kg	☼	73	48 - 104	14	22
2-Methylphenol	ND		0.762	0.453		mg/Kg	☼	59	43 - 101	13	27
Methylphenol, 3 & 4	ND		0.762	0.461		mg/Kg	☼	61	43 - 104	18	24
Naphthalene	0.0047	J	0.762	0.459		mg/Kg	☼	60	43 - 100	16	28
Nitrobenzene	ND		0.762	0.475		mg/Kg	☼	62	43 - 107	17	28
Pentachlorophenol	ND	F1	1.52	0.487	F1	mg/Kg	☼	32	34 - 112	13	28
Phenanthrene	0.020		0.762	0.528		mg/Kg	☼	67	46 - 100	13	27
Phenol	ND		0.762	0.475		mg/Kg	☼	62	42 - 103	16	30
Pyrene	0.030		0.762	0.546		mg/Kg	☼	68	44 - 102	14	27
Pyridine	ND		1.52	0.476		mg/Kg	☼	31	25 - 109	16	31
2,4,5-Trichlorophenol	ND		0.762	0.531		mg/Kg	☼	70	47 - 108	12	19

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-129952-3 MSD **Client Sample ID: SSHS-IRM5A2-A2-A1C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 379096 **Prep Batch: 378997**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.762	0.486		mg/Kg	☼	64	47 - 108	11	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 105*
2-Fluorophenol (Surr)	*66*		*32 - 105*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*
Phenol-d5 (Surr)	*66*		*34 - 105*
Terphenyl-d14 (Surr)	*71*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-378823/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 378917 **Prep Batch: 378823**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/12/21 21:32	11/15/21 22:35	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/12/21 21:32	11/15/21 22:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*120*		*63 - 138*	*11/12/21 21:32*	*11/15/21 22:35*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*11/12/21 21:32*	*11/15/21 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/12/21 21:32*	*11/15/21 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*11/12/21 21:32*	*11/15/21 22:35*	*1*

Lab Sample ID: LCS 180-378823/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 378917 **Prep Batch: 378823**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	0.875		mg/Kg		66	43 - 136		
PCB-1260			1.33	1.04		mg/Kg		78	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 378917

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 378823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.55	1.12		mg/Kg	☼	72	43 - 136
PCB-1260	ND		1.55	1.19		mg/Kg	☼	77	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*

Lab Sample ID: 180-129952-3 MSD
Matrix: Solid
Analysis Batch: 378917

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 378823

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.54	0.971		mg/Kg	☼	63	43 - 136	14	40
PCB-1260	ND		1.54	1.13		mg/Kg	☼	73	55 - 128	6	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-512962/1-A
Matrix: Solid
Analysis Batch: 513238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Barium	ND		20	0.36	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Beryllium	ND		0.50	0.054	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Cadmium	ND		0.50	0.048	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Chromium	ND		1.0	0.34	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Copper	ND		2.5	0.24	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Lead	ND		1.0	0.28	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Manganese	ND		1.5	1.1	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Nickel	ND		4.0	0.23	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Selenium	ND		2.0	0.47	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Silver	ND		1.0	0.081	mg/Kg		11/15/21 12:00	11/16/21 11:55	1
Zinc	ND		5.0	1.4	mg/Kg		11/15/21 12:00	11/16/21 11:55	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-512962/2-A
Matrix: Solid
Analysis Batch: 513238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512962

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			200	207		mg/Kg		103	80 - 120		
Barium			200	198		mg/Kg		99	80 - 120		
Beryllium			100	102		mg/Kg		102	80 - 120		
Cadmium			100	101		mg/Kg		101	80 - 120		
Chromium			100	99.1		mg/Kg		99	80 - 120		
Copper			100	96.6		mg/Kg		97	80 - 120		
Lead			100	96.0		mg/Kg		96	80 - 120		
Manganese			100	97.8		mg/Kg		98	80 - 120		
Nickel			100	102		mg/Kg		102	80 - 120		
Selenium			200	198		mg/Kg		99	80 - 120		
Silver			10.0	9.90		mg/Kg		99	80 - 120		
Zinc			100	100		mg/Kg		100	80 - 120		

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 513238

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 512962

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	7.0		190	174		mg/Kg	☼	88	75 - 125		
Barium	70		190	239		mg/Kg	☼	89	75 - 125		
Beryllium	0.44	J	94.8	82.8		mg/Kg	☼	87	75 - 125		
Cadmium	0.12	J	94.8	82.7		mg/Kg	☼	87	75 - 125		
Chromium	12		94.8	92.5		mg/Kg	☼	85	75 - 125		
Copper	23		94.8	101		mg/Kg	☼	83	75 - 125		
Lead	15		94.8	87.5		mg/Kg	☼	77	75 - 125		
Manganese	470	F2	94.8	672	4	mg/Kg	☼	217	75 - 125		
Nickel	21		94.8	122		mg/Kg	☼	106	75 - 125		
Selenium	ND		190	158		mg/Kg	☼	84	75 - 125		
Silver	ND		9.48	8.11		mg/Kg	☼	86	75 - 125		
Zinc	71		94.8	187		mg/Kg	☼	122	75 - 125		

Lab Sample ID: 180-129952-3 MSD
Matrix: Solid
Analysis Batch: 513238

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 512962

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	7.0		190	174		mg/Kg	☼	88	75 - 125	0	20
Barium	70		190	238		mg/Kg	☼	89	75 - 125	0	20
Beryllium	0.44	J	94.8	82.8		mg/Kg	☼	87	75 - 125	0	20
Cadmium	0.12	J	94.8	82.9		mg/Kg	☼	87	75 - 125	0	20
Chromium	12		94.8	95.7		mg/Kg	☼	88	75 - 125	3	20
Copper	23		94.8	104		mg/Kg	☼	86	75 - 125	3	20
Lead	15		94.8	87.8		mg/Kg	☼	77	75 - 125	0	20
Manganese	470	F2	94.8	536	4 F2	mg/Kg	☼	74	75 - 125	23	20
Nickel	21		94.8	121		mg/Kg	☼	105	75 - 125	1	20
Selenium	ND		190	159		mg/Kg	☼	84	75 - 125	1	20
Silver	ND		9.48	8.15		mg/Kg	☼	86	75 - 125	0	20
Zinc	71		94.8	173		mg/Kg	☼	108	75 - 125	8	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-512974/1-A
Matrix: Solid
Analysis Batch: 513384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 512974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		11/15/21 12:15	11/16/21 11:54	1

Lab Sample ID: LCS 240-512974/2-A
Matrix: Solid
Analysis Batch: 513384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 512974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.865		mg/Kg		104	80 - 120

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 513384

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 512974

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND	F1	0.198	0.239	F1	mg/Kg	☼	121	80 - 120

Lab Sample ID: 180-129952-3 MSD
Matrix: Solid
Analysis Batch: 513384

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 512974

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND	F1	0.198	0.229		mg/Kg	☼	116	80 - 120	4	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 240-513221/1-A
Matrix: Solid
Analysis Batch: 513284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.48	0.18	mg/Kg		11/16/21 11:24	11/16/21 16:38	1

Lab Sample ID: LCS 240-513221/2-A
Matrix: Solid
Analysis Batch: 513284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	6.21	6.23		mg/Kg		100	65 - 128

Lab Sample ID: 180-129952-3 MS
Matrix: Solid
Analysis Batch: 513284

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA
Prep Batch: 513221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.26	J F1 F2	1.17	2.20	F1	mg/Kg	☼	166	24 - 140

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 180-129952-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 513284 — **Prep Batch: 513221**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.26	J F1 F2	1.17	1.37	F2	mg/Kg	☼	95	24 - 140	47	40

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-379419/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 379656 — **Prep Batch: 379419**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/18/21 13:42	11/20/21 15:56	1

Lab Sample ID: LCSI 180-379419/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 379656 — **Prep Batch: 379419**

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	729		mg/Kg		103	80 - 120

Lab Sample ID: LCSS 180-379419/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 379656 — **Prep Batch: 379419**

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.1		mg/Kg		91	80 - 120

Lab Sample ID: 180-129952-3 MSI — **Client Sample ID: SSHS-IRM5A2-A2-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 379656 — **Prep Batch: 379419**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		828	647		mg/Kg	☼	78	75 - 125

Lab Sample ID: 180-129952-3 MSS — **Client Sample ID: SSHS-IRM5A2-A2-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 379656 — **Prep Batch: 379419**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		23.4	18.1		mg/Kg	☼	77	75 - 125

Lab Sample ID: 180-129952-3 DU — **Client Sample ID: SSHS-IRM5A2-A2-A1C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 379656 — **Prep Batch: 379419**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129952-1

Method: Moisture - Percent Moisture

Lab Sample ID: 180-129952-1 DU
Matrix: Solid
Analysis Batch: 513008

Client Sample ID: SSHS-IRM5A2-A2-A1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	87.2			86.9		%				0.4	20
Percent Moisture	12.8			13.1		%				3	20

Lab Sample ID: 180-129952-2 DU
Matrix: Solid
Analysis Batch: 513008

Client Sample ID: SSHS-IRM5A2-A2-A1B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	85.0			87.2		%				3	20
Percent Moisture	15.0			12.8		%				16	20

Lab Sample ID: 180-129952-3 DU
Matrix: Solid
Analysis Batch: 513008

Client Sample ID: SSHS-IRM5A2-A2-A1C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	85.8			88.9		%				4	20
Percent Moisture	14.2			11.1	F3	%				25	20

GC/MS VOA

Prep Batch: 512176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-512176/4-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 513070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-1	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	5035	
180-129952-2	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	5035	
180-129952-4	SSHS-IRM5A2-A2-A2A	Total/NA	Solid	5035	
180-129952-5	SSHS-IRM5A2-A2-A2B	Total/NA	Solid	5035	
180-129952-7	SSHS-IRM5A2-A2-A3A	Total/NA	Solid	5035	
180-129952-8	SSHS-IRM5A2-A2-A3B	Total/NA	Solid	5035	
MB 240-513070/2-A	Method Blank	Total/NA	Solid	5035	
180-129952-1 MS	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	5035	
180-129952-1 MSD	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	5035	
180-129952-2 MS	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	5035	
180-129952-2 MSD	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	5035	

Analysis Batch: 513292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-1	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	8260C	513070
MB 240-513292/6	Method Blank	Total/NA	Solid	8260C	
LCS 240-513292/5	Lab Control Sample	Total/NA	Solid	8260C	
180-129952-1 MS	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	8260C	513070
180-129952-1 MSD	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	8260C	513070

Analysis Batch: 513358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-2	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	8260C	513070
180-129952-4	SSHS-IRM5A2-A2-A2A	Total/NA	Solid	8260C	513070
180-129952-7	SSHS-IRM5A2-A2-A3A	Total/NA	Solid	8260C	513070
180-129952-8	SSHS-IRM5A2-A2-A3B	Total/NA	Solid	8260C	513070
MB 240-513070/2-A	Method Blank	Total/NA	Solid	8260C	513070
LCS 240-513358/5	Lab Control Sample	Total/NA	Solid	8260C	
180-129952-2 MS	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	8260C	513070
180-129952-2 MSD	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	8260C	513070

Analysis Batch: 513564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-5	SSHS-IRM5A2-A2-A2B	Total/NA	Solid	8260C	513070
MB 240-512176/4-A	Method Blank	Total/NA	Solid	8260C	512176
LCS 240-513564/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 378997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3541	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	3541	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	3541	
MB 180-378997/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378997/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 378997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3541	

Analysis Batch: 379096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 8270D LL	378997
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	EPA 8270D LL	378997
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	EPA 8270D LL	378997
MB 180-378997/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	378997
LCS 180-378997/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	378997
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 8270D LL	378997
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 8270D LL	378997

GC Semi VOA

Prep Batch: 378823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3541	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	3541	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	3541	
MB 180-378823/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-378823/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3541	
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3541	

Analysis Batch: 378917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 8082A	378933
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	EPA 8082A	378933
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	EPA 8082A	378933
MB 180-378823/1-A	Method Blank	Total/NA	Solid	EPA 8082A	378823
LCS 180-378823/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	378823
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 8082A	378933
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 8082A	378933

Cleanup Batch: 378932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3665A	378823
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	3665A	378823
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	3665A	378823
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3665A	378823
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3665A	378823

Cleanup Batch: 378933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3660B	378932
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	3660B	378932
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	3660B	378932
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3660B	378932
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3660B	378932

Metals

Prep Batch: 512962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3050B	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	3050B	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	3050B	
MB 240-512962/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-512962/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3050B	
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3050B	

Prep Batch: 512974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	7471B	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	7471B	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	7471B	
MB 240-512974/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-512974/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	7471B	
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	7471B	

Analysis Batch: 513238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	6010C	512962
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	6010C	512962
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	6010C	512962
MB 240-512962/1-A	Method Blank	Total/NA	Solid	6010C	512962
LCS 240-512962/2-A	Lab Control Sample	Total/NA	Solid	6010C	512962
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	6010C	512962
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	6010C	512962

Analysis Batch: 513384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	7471B	512974
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	7471B	512974
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	7471B	512974
MB 240-512974/1-A	Method Blank	Total/NA	Solid	7471B	512974
LCS 240-512974/2-A	Lab Control Sample	Total/NA	Solid	7471B	512974
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	7471B	512974
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	7471B	512974

General Chemistry

Prep Batch: 379419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3060A	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	3060A	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	3060A	
MB 180-379419/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379419/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379419/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-129952-3 MSI	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3060A	
180-129952-3 MSS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3060A	
180-129952-3 DU	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	3060A	

General Chemistry

Analysis Batch: 379656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 7196A	379419
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	EPA 7196A	379419
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	EPA 7196A	379419
MB 180-379419/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379419
LCSI 180-379419/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379419
LCSS 180-379419/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379419
180-129952-3 MSI	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 7196A	379419
180-129952-3 MSS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 7196A	379419
180-129952-3 DU	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	EPA 7196A	379419

Analysis Batch: 513008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-1	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	Moisture	
180-129952-2	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	Moisture	
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	Moisture	
180-129952-4	SSHS-IRM5A2-A2-A2A	Total/NA	Solid	Moisture	
180-129952-5	SSHS-IRM5A2-A2-A2B	Total/NA	Solid	Moisture	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	Moisture	
180-129952-7	SSHS-IRM5A2-A2-A3A	Total/NA	Solid	Moisture	
180-129952-1 DU	SSHS-IRM5A2-A2-A1A	Total/NA	Solid	Moisture	
180-129952-2 DU	SSHS-IRM5A2-A2-A1B	Total/NA	Solid	Moisture	
180-129952-3 DU	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	Moisture	

Analysis Batch: 513197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	Moisture	

Prep Batch: 513221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	9012B	
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	9012B	
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	9012B	
MB 240-513221/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 240-513221/2-A	Lab Control Sample	Total/NA	Solid	9012B	
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	9012B	
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	9012B	

Analysis Batch: 513284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129952-3	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	9012B	513221
180-129952-6	SSHS-IRM5A2-A2-A2C	Total/NA	Solid	9012B	513221
180-129952-9	SSHS-IRM5A2-A2-A3C	Total/NA	Solid	9012B	513221
MB 240-513221/1-A	Method Blank	Total/NA	Solid	9012B	513221
LCS 240-513221/2-A	Lab Control Sample	Total/NA	Solid	9012B	513221
180-129952-3 MS	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	9012B	513221
180-129952-3 MSD	SSHS-IRM5A2-A2-A1C	Total/NA	Solid	9012B	513221

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A60A	11/12/21	1515	G	S	N	Y	X								12	A2-A1A
SSHS-IRM5A2-A1-A60B	11/12/21	1515	G	S	N	Y	X								12	A2-A1B
SSHS-IRM5A2-A1-A60C	11/12/21	1500	C	S	N	Y		X	X	X	X	X	X	X	10	A2-A1C
SSHS-IRM5A2-A1-A61A	11/12/21	1540	G	S	N	N	X								4	A2-A2A
SSHS-IRM5A2-A1-A61B	11/12/21	1540	G	S	N	N	X								4	A2-A2B
SSHS-IRM5A2-A1-A61C	11/12/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	A2-A2C
SSHS-IRM5A2-A1-A62A	11/12/21	1610	G	S	N	N	X								4	A2-A3A
SSHS-IRM5A2-A1-A62B	11/12/21	1610	G	S	N	N	X								4	A2-A3B
SSHS-IRM5A2-A1-A62C	11/12/21	1600	C	S	N	N		X	X	X	X	X	X	X	5	A2-A3C

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Colin	Date/Time: 11/12/21	Company	Received by:	Date/Time: 11/13/21 930	Company EA Pit
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Time:	Company	Received by:	Date/Time:	Company

Custody Se
Δ Yes

Cooler Temperature(s) °C and Other Remarks:

180-129952 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

5.2/5.3

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129952 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

MS, C115

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A60A	11/12/21	1515	G	S	N	Y	X													12	A2-A1A
SSHS-IRM5A2-A1-A60B	11/12/21	1515	G	S	N	Y	X													12	A2-A1B
SSHS-IRM5A2-A1-A60C	11/12/21	1500	C	S	N	Y		X	X	X	X	X	X	X						10	A2-A1C
SSHS-IRM5A2-A1-A61A	11/12/21	1540	G	S	N	N	X													4	A2-A2A
SSHS-IRM5A2-A1-A61B	11/12/21	1540	G	S	N	N	X													4	A2-A2B
SSHS-IRM5A2-A1-A61C	11/12/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	A2-A2C
SSHS-IRM5A2-A1-A62A	11/12/21	1610	G	S	N	N	X													4	A2-A3A
SSHS-IRM5A2-A1-A62B	11/12/21	1610	G	S	N	N	X													4	A2-A3B
SSHS-IRM5A2-A1-A62C	11/12/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	A2-A3C

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/12/21	Company	Received by:	Date/Time: 11/13/21 1010	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/23/2021

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 140-179952**
Canton Facility

Client Geosynthe Site Name _____ Cooler unpacked by: Matthew Surma

Cooler Received on 11/13/21 Opened on 11/13/21

FedEx: 1st Grd (Exp) UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 1A Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 5.2 °C Corrected Cooler Temp. 5.3 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page Samples processed by: Dave Dunlap

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

WI-NC-099

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-129952 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A1-A60A	11/12/21	1515	G	S	N	Y	X													12	A2-A1A
SSHS-IRM5A2-A1-A60B	11/12/21	1515	G	S	N	Y	X													12	A2-A1B
SSHS-IRM5A2-A1-A60C	11/12/21	1500	C	S	N	Y		X	X	X	X	X	X	X						10	A2-A1C
SSHS-IRM5A2-A1-A61A	11/12/21	1540	G	S	N	N	X													4	A2-A2A
SSHS-IRM5A2-A1-A61B	11/12/21	1540	G	S	N	N	X													4	A2-A2B
SSHS-IRM5A2-A1-A61C	11/12/21	1530	C	S	N	N		X	X	X	X	X	X	X						5	A2-A2C
SSHS-IRM5A2-A1-A62A	11/12/21	1610	G	S	N	N	X													4	A2-A3A
SSHS-IRM5A2-A1-A62B	11/12/21	1610	G	S	N	N	X													4	A2-A3B
SSHS-IRM5A2-A1-A62C	11/12/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	A2-A3C

Analysis Requested

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/12/21	Company	Received by:	Date/Time: 11/13/21 9:38	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-129952 Field Sheet

Tracking # : 775163851560

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 605 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JG Date: 11/13/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☐	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JG Date: 11/15/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☒	☐
Log Release checked in TALS?	☐	☐	☒

Initials: JG Date: 11/15/21

WR3-33C

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 12NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 38x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56D129A7E/FE4A

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7751 4385 6590

95605
CA-US SMF

X0 BLUA

FedEx Ship Manager - Print Your Label(s)

11/8/21, 10:31 AM

SDR

SDR

SDR

151966 10/04 MWI

FedEx® Saturday Delivery

151966 10/04 MWI

very

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129952-1

Login Number: 129952
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	container labels are A60,61,62, should be A1,2,3
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130004-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/24/2021 2:33:41 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130004-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130004-1

Receipt
The samples were received on 11/16/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.6º C, 3.1º C, 3.4º C and 3.4º C.

GC/MS VOA
Method 8260D: The internal standard (ISTD) response for 1,4-Dioxane-d8 for the following samples in analytical batch 460-814082 was outside acceptance criteria: SSHS-IRM5A2-A2-A5B (180-130004-5) and SSHS-IRM5A2-A2-A6A (180-130004-7). As this ISTD does not correspond to any of the detected target compounds reported from this analytical batch, the results were reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 460-814173 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A10C (180-130004-21), SSHS-IRM5A2-A2-A11C (180-130004-24), and SSHS-IRM5A2-A2-A12C (180-130004-27). Elevated reporting limits (RLs) are provided. Results of both undiluted and diluted analyses were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The internal standard 1-bromo-2-nitrobenzene was above criteria on column RTX-CLP1 for the method blank, (MB 180-379177/1-A). Results associated with this internal standard were reported from column RTX-CLP2 which met criteria.

Method 8082A: The internal standard 1-bromo-2-nitrobenzene was above criteria on both columns for the following samples: SSHS-IRM5A2-A2-A4C (180-130004-3) and SSHS-IRM5A2-A2-A5C (180-130004-6). As the internal standard was high and there were no aroclor patterns in the analyses, the results were reported.

Method 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A6C (180-130004-9) and SSHS-IRM5A2-A2-A7C (180-130004-12). Elevated reporting limits (RLs) are provided.

Method 8082A: Sample SSHS-IRM5A2-A2-A9C (180-130004-18) had the recoveries of surrogate decachlorobiphenyl below the control limits on both columns. The recoveries of tetrachloro-m-xylene were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130004-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130004-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130004-1	SSHS-IRM5A2-A2-A4A	Solid	11/15/21 09:30	11/16/21 10:00
180-130004-2	SSHS-IRM5A2-A2-A4B	Solid	11/15/21 09:35	11/16/21 10:00
180-130004-3	SSHS-IRM5A2-A2-A4C	Solid	11/13/21 12:00	11/16/21 10:00
180-130004-4	SSHS-IRM5A2-A2-A5A	Solid	11/15/21 09:40	11/16/21 10:00
180-130004-5	SSHS-IRM5A2-A2-A5B	Solid	11/15/21 09:45	11/16/21 10:00
180-130004-6	SSHS-IRM5A2-A2-A5C	Solid	11/13/21 12:10	11/16/21 10:00
180-130004-7	SSHS-IRM5A2-A2-A6A	Solid	11/15/21 09:50	11/16/21 10:00
180-130004-8	SSHS-IRM5A2-A2-A6B	Solid	11/15/21 09:55	11/16/21 10:00
180-130004-9	SSHS-IRM5A2-A2-A6C	Solid	11/13/21 13:20	11/16/21 10:00
180-130004-10	SSHS-IRM5A2-A2-A7A	Solid	11/15/21 10:00	11/16/21 10:00
180-130004-11	SSHS-IRM5A2-A2-A7B	Solid	11/15/21 10:05	11/16/21 10:00
180-130004-12	SSHS-IRM5A2-A2-A7C	Solid	11/13/21 14:10	11/16/21 10:00
180-130004-13	SSHS-IRM5A2-A2-A8A	Solid	11/15/21 10:10	11/16/21 10:00
180-130004-14	SSHS-IRM5A2-A2-A8B	Solid	11/15/21 10:15	11/16/21 10:00
180-130004-15	SSHS-IRM5A2-A2-A8C	Solid	11/13/21 14:20	11/16/21 10:00
180-130004-16	SSHS-IRM5A2-A2-A9A	Solid	11/15/21 10:20	11/16/21 10:00
180-130004-17	SSHS-IRM5A2-A2-A9B	Solid	11/15/21 10:25	11/16/21 10:00
180-130004-18	SSHS-IRM5A2-A2-A9C	Solid	11/13/21 14:45	11/16/21 10:00
180-130004-19	SSHS-IRM5A2-A2-A10A	Solid	11/15/21 08:50	11/16/21 10:00
180-130004-20	SSHS-IRM5A2-A2-A10B	Solid	11/15/21 08:50	11/16/21 10:00
180-130004-21	SSHS-IRM5A2-A2-A10C	Solid	11/15/21 09:00	11/16/21 10:00
180-130004-22	SSHS-IRM5A2-A2-A11A	Solid	11/15/21 10:00	11/16/21 10:00
180-130004-23	SSHS-IRM5A2-A2-A11B	Solid	11/15/21 10:00	11/16/21 10:00
180-130004-24	SSHS-IRM5A2-A2-A11C	Solid	11/15/21 10:10	11/16/21 10:00
180-130004-25	SSHS-IRM5A2-A2-A12A	Solid	11/15/21 10:15	11/16/21 10:00
180-130004-26	SSHS-IRM5A2-A2-A12B	Solid	11/15/21 10:15	11/16/21 10:00
180-130004-27	SSHS-IRM5A2-A2-A12C	Solid	11/15/21 10:20	11/16/21 10:00
180-130004-28	SSHS-IRM5A2-A2-A13A	Solid	11/15/21 11:10	11/16/21 10:00
180-130004-29	SSHS-IRM5A2-A2-A13B	Solid	11/15/21 11:10	11/16/21 10:00
180-130004-30	SSHS-IRM5A2-A2-A13C	Solid	11/15/21 11:20	11/16/21 10:00
180-130004-31	SSHS-IRM5A2-DUP7A	Solid	11/15/21 00:00	11/16/21 10:00
180-130004-32	SSHS-IRM5A2-DUP7B	Solid	11/15/21 00:00	11/16/21 10:00
180-130004-33	SSHS-IRM5A2-DUP7C	Solid	11/15/21 00:00	11/16/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL EDI
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A4A
Date Collected: 11/15/21 09:30
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A4A
Date Collected: 11/15/21 09:30
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-1
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.578 g	5 mL	813833	11/17/21 12:53	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/18/21 22:03	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A4B
Date Collected: 11/15/21 09:35
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A4B
Date Collected: 11/15/21 09:35
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-2
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.532 g	5 mL	813833	11/17/21 12:53	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/18/21 22:24	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A4C
Date Collected: 11/13/21 12:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A4C
Date Collected: 11/13/21 12:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-3
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 14:20	VVP	TAL PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A4C

Lab Sample ID: 180-130004-3
Date Collected: 11/13/21 12:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/18/21 17:46	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.01 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.79 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:11	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.46 g	100 mL	379419	11/18/21 13:42	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	379656	11/20/21 16:04	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:29	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A5A

Lab Sample ID: 180-130004-4
Date Collected: 11/15/21 09:40
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A5A

Lab Sample ID: 180-130004-4
Date Collected: 11/15/21 09:40
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.743 g	5 mL	813833	11/17/21 12:54	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/18/21 22:46	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A5B

Lab Sample ID: 180-130004-5
Date Collected: 11/15/21 09:45
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A5B

Lab Sample ID: 180-130004-5
Date Collected: 11/15/21 09:45
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.883 g	5 mL	813833	11/17/21 12:55	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/18/21 23:08	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A5C

Lab Sample ID: 180-130004-6
Date Collected: 11/13/21 12:10
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A5C

Lab Sample ID: 180-130004-6
Date Collected: 11/13/21 12:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 15:26	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/18/21 18:05	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.51 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:12	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:40	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:31	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A6A

Lab Sample ID: 180-130004-7
Date Collected: 11/15/21 09:50
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A6A
Lab Sample ID: 180-130004-7
Date Collected: 11/15/21 09:50
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.967 g	5 mL	813833	11/17/21 12:56	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/18/21 23:29	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A6B
Lab Sample ID: 180-130004-8
Date Collected: 11/15/21 09:55
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A6B
Lab Sample ID: 180-130004-8
Date Collected: 11/15/21 09:55
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.487 g	5 mL	813833	11/17/21 12:56	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/18/21 23:51	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A6C
Lab Sample ID: 180-130004-9
Date Collected: 11/13/21 13:20
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A6C
Lab Sample ID: 180-130004-9
Date Collected: 11/13/21 13:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 15:48	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			379326	11/19/21 07:31	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.16 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:31	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A6C
Lab Sample ID: 180-130004-9
Date Collected: 11/13/21 13:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:13	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:41	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:33	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A7A
Lab Sample ID: 180-130004-10
Date Collected: 11/15/21 10:00
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A7A
Lab Sample ID: 180-130004-10
Date Collected: 11/15/21 10:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.095 g	5 mL	813833	11/17/21 12:57	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 00:12	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A7B
Lab Sample ID: 180-130004-11
Date Collected: 11/15/21 10:05
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A7B
Lab Sample ID: 180-130004-11
Date Collected: 11/15/21 10:05
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.309 g	5 mL	813833	11/17/21 12:58	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 00:34	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-130004-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A7C
Lab Sample ID: 180-130004-12
Date Collected: 11/13/21 14:10
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A7C
Lab Sample ID: 180-130004-12
Date Collected: 11/13/21 14:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 16:09	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			379326	11/19/21 07:49	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.38 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:45	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.86 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:18	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:42	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:34	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A8A
Lab Sample ID: 180-130004-13
Date Collected: 11/15/21 10:10
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A8A
Lab Sample ID: 180-130004-13
Date Collected: 11/15/21 10:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.83 g	5 mL	813833	11/17/21 12:58	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 00:56	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-130004-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A8B
Lab Sample ID: 180-130004-14
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A8B
Lab Sample ID: 180-130004-14
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.552 g	5 mL	813833	11/17/21 12:59	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 01:17	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A8C
Lab Sample ID: 180-130004-15
Date Collected: 11/13/21 14:20
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A8C
Lab Sample ID: 180-130004-15
Date Collected: 11/13/21 14:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 16:31	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/18/21 19:02	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.13 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:49	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.75 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:19	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:43	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:36	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A9A
Date Collected: 11/15/21 10:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A9A
Date Collected: 11/15/21 10:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-16
Matrix: Solid
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.712 g	5 mL	813833	11/17/21 13:00	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 01:39	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A9B
Date Collected: 11/15/21 10:25
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A9B
Date Collected: 11/15/21 10:25
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-17
Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.79 g	5 mL	813833	11/17/21 13:01	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 02:01	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A9C
Date Collected: 11/13/21 14:45
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A9C
Date Collected: 11/13/21 14:45
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-18
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 16:53	VVP	TAL PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A9C

Lab Sample ID: 180-130004-18
Date Collected: 11/13/21 14:45
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/19/21 08:08	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.06 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:54	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.63 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:20	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.45 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:44	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:38	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A10A

Lab Sample ID: 180-130004-19
Date Collected: 11/15/21 08:50
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A10A

Lab Sample ID: 180-130004-19
Date Collected: 11/15/21 08:50
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.757 g	5 mL	813833	11/17/21 13:01	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 02:22	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A10B

Lab Sample ID: 180-130004-20
Date Collected: 11/15/21 08:50
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A10B

Lab Sample ID: 180-130004-20
Date Collected: 11/15/21 08:50
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.472 g	5 mL	813833	11/17/21 13:02	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 02:44	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A10C

Lab Sample ID: 180-130004-21
Date Collected: 11/15/21 09:00
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A10C

Lab Sample ID: 180-130004-21
Date Collected: 11/15/21 09:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	379195	11/17/21 17:15	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541	DL		15.1 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL	DL	10	1 mL	1 mL	379195	11/17/21 19:05	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/18/21 19:39	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.28 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 16:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:21	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:45	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:39	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A11A
Date Collected: 11/15/21 10:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A11A
Date Collected: 11/15/21 10:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-22
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1.369 g	5 mL	813833	11/17/21 13:03	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814173	11/19/21 10:09	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A11B
Date Collected: 11/15/21 10:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A11B
Date Collected: 11/15/21 10:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-23
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.448 g	5 mL	813833	11/17/21 13:03	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 03:26	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A11C
Date Collected: 11/15/21 10:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A11C
Date Collected: 11/15/21 10:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-24
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	379195	11/17/21 17:37	VVP	TAL PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A11C
Lab Sample ID: 180-130004-24
Date Collected: 11/15/21 10:10
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		15.1 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL	DL	10	1 mL	1 mL	379195	11/17/21 19:27	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/19/21 08:28	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.25 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 17:03	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:22	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:46	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:41	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A12A
Lab Sample ID: 180-130004-25
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A12A
Lab Sample ID: 180-130004-25
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.889 g	5 mL	813833	11/17/21 13:04	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 03:47	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A12B
Lab Sample ID: 180-130004-26
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A12B

Lab Sample ID: 180-130004-26
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.391 g	5 mL	813833	11/17/21 13:05	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814082	11/19/21 04:09	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A12C

Lab Sample ID: 180-130004-27
Date Collected: 11/15/21 10:20
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A12C

Lab Sample ID: 180-130004-27
Date Collected: 11/15/21 10:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 17:59	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541	DL		15.3 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL	DL	5	1 mL	1 mL	379195	11/17/21 19:49	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/19/21 08:46	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.25 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 17:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:23	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:48	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:47	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A13A
Date Collected: 11/15/21 11:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A13A
Date Collected: 11/15/21 11:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-28
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.662 g	5 mL	813833	11/17/21 13:06	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814173	11/19/21 16:17	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A13B
Date Collected: 11/15/21 11:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A13B
Date Collected: 11/15/21 11:10
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-29
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.99 g	5 mL	813833	11/17/21 13:06	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814173	11/19/21 16:38	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A13C
Date Collected: 11/15/21 11:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A13C
Date Collected: 11/15/21 11:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-30
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 18:21	VVP	TAL PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-A2-A13C

Lab Sample ID: 180-130004-30
Date Collected: 11/15/21 11:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/18/21 20:36	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.44 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 17:12	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:24	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:51	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	379355	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:48	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-DUP7A

Lab Sample ID: 180-130004-31
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP7A

Lab Sample ID: 180-130004-31
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.872 g	5 mL	813833	11/17/21 13:07	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814329	11/19/21 22:12	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-DUP7B

Lab Sample ID: 180-130004-32
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814248	11/19/21 09:38	OJR	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-DUP7B

Lab Sample ID: 180-130004-32
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.128 g	5 mL	813833	11/17/21 13:08	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814329	11/19/21 22:34	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-DUP7C

Lab Sample ID: 180-130004-33
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379294	11/17/21 14:31	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP7C

Lab Sample ID: 180-130004-33
Date Collected: 11/15/21 00:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379182	11/17/21 06:29	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379195	11/17/21 18:43	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	379177	11/16/21 21:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379382	11/18/21 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379383	11/18/21 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379326	11/18/21 20:55	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.06 g	100 mL	379237	11/18/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			379680	11/19/21 17:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	379206	11/17/21 07:28	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379368	11/18/21 09:25	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:52	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	379356	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 15:57	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Analyst References:

Lab: TAL EDI

Batch Type: Prep

YXG = Yong Gao

Batch Type: Analysis

AAT = Audberto Tupayachi

OJR = Omar Rivera

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CMR = Carl Reagle

CSC = Chayce Cockroft

PMH = Paloma Hoelzle

RGM = Rebecca Manns

RJR = Ron Rosenbaum

Batch Type: Analysis

CMR = Carl Reagle

CMT = Cassandra Tlumac

JMO = John Oravec

PMH = Paloma Hoelzle

RJG = Rob Good

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A4A — Lab Sample ID: 180-130004-1

Date Collected: 11/15/21 09:30 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 88.3**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0061	0.0058	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Benzene	ND		0.0010	0.00026	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
2-Butanone (MEK)	ND		0.0051	0.00037	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Chloroform	ND		0.0010	0.00099	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,2-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,4-Dioxane	ND		0.020	0.0093	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Methylene Chloride	ND		0.0020	0.0012	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Methyl tert-butyl ether	ND		0.0010	0.00052	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
n-Butylbenzene	ND		0.0010	0.00030	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Toluene	ND		0.0010	0.00024	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,1,1-Trichloroethane	ND		0.0010	0.00024	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Trichloroethene	ND		0.0010	0.00033	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00032	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1
Xylenes, Total	ND		0.0020	0.00065	mg/Kg	☼	11/17/21 12:53	11/18/21 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 12:53*	*11/18/21 22:03*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/17/21 12:53*	*11/18/21 22:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*11/17/21 12:53*	*11/18/21 22:03*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*11/17/21 12:53*	*11/18/21 22:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**88.3**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A4B — Lab Sample ID: 180-130004-2

Date Collected: 11/15/21 09:35 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.8**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0051	0.0049	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Benzene	ND		0.00085	0.00022	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1

Client Sample ID: SSHS-IRM5A2-A2-A4B
Lab Sample ID: 180-130004-2
Date Collected: 11/15/21 09:35 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.8**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0043	0.00031	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Carbon tetrachloride	ND		0.00085	0.00033	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Chlorobenzene	ND		0.00085	0.00015	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Chloroform	ND		0.00085	0.00083	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
cis-1,2-Dichloroethene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,2-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,3-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,4-Dichlorobenzene	ND		0.00085	0.00019	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,1-Dichloroethane	ND		0.00085	0.00018	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,2-Dichloroethane	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,1-Dichloroethene	ND		0.00085	0.00019	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,4-Dioxane	ND		0.017	0.0078	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Ethylbenzene	ND		0.00085	0.00017	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Methylene Chloride	ND		0.0017	0.00098	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Methyl tert-butyl ether	ND		0.00085	0.00044	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
n-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
N-Propylbenzene	ND		0.00085	0.00015	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
sec-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
tert-Butylbenzene	ND		0.00085	0.00024	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Tetrachloroethene	**0.00039**	**J**	0.00085	0.00026	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Toluene	ND		0.00085	0.00020	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
trans-1,2-Dichloroethene	ND		0.00085	0.00021	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,1,1-Trichloroethane	ND		0.00085	0.00020	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Trichloroethene	**0.00037**	**J**	0.00085	0.00027	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,2,4-Trimethylbenzene	ND		0.00085	0.00021	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
1,3,5-Trimethylbenzene	ND		0.00085	0.00027	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Vinyl chloride	ND		0.00085	0.00047	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1
Xylenes, Total	ND		0.0017	0.00055	mg/Kg	☼	11/17/21 12:53	11/18/21 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 12:53*	*11/18/21 22:24*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/17/21 12:53*	*11/18/21 22:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*11/17/21 12:53*	*11/18/21 22:24*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 12:53*	*11/18/21 22:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.2**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**89.8**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A4C
Lab Sample ID: 180-130004-3
Date Collected: 11/13/21 12:00 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 85.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0077	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Acenaphthylene	ND		0.0077	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Anthracene	ND		0.0077	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Benzo[a]anthracene	**0.0059**	**J**	0.0077	0.0035	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1

Client Sample ID: SSHS-IRM5A2-A2-A4C **Lab Sample ID: 180-130004-3**
Date Collected: 11/13/21 12:00 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 85.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0055**	**J**	0.0077	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Benzo[b]fluoranthene	**0.0078**		0.0077	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Benzo[g,h,i]perylene	**0.0041**	**J**	0.0077	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Benzo[k]fluoranthene	**0.0036**	**J**	0.0077	0.0023	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Chrysene	**0.0071**	**J**	0.0077	0.0042	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Dibenz(a,h)anthracene	ND		0.0077	0.0049	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
1,4-Dioxane	ND		0.076	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Fluoranthene	**0.0097**		0.0077	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Fluorene	ND		0.0077	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Hexachlorobenzene	ND		0.0077	0.0027	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Hexachlorobutadiene	ND		0.0077	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Indeno[1,2,3-cd]pyrene	**0.0039**	**J**	0.0077	0.0038	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Naphthalene	ND		0.0077	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Nitrobenzene	ND		0.076	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Phenanthrene	**0.0045**	**J**	0.0077	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Pyrene	**0.0099**		0.0077	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*11/17/21 06:29*	*11/17/21 14:20*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*11/17/21 06:29*	*11/17/21 14:20*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*11/17/21 06:29*	*11/17/21 14:20*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*11/17/21 06:29*	*11/17/21 14:20*	*1*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*11/17/21 06:29*	*11/17/21 14:20*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*20 - 119*	*11/17/21 06:29*	*11/17/21 14:20*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	*3	0.019	0.0063	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1221	ND	*3	0.019	0.0069	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1232	ND	*3	0.019	0.0047	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1242	ND	*3	0.019	0.0029	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1248	ND	*3	0.019	0.0047	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1254	**0.084**		0.019	0.0058	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1262	ND		0.019	0.0069	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/16/21 21:49	11/18/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*11/16/21 21:49*	*11/18/21 17:46*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*11/16/21 21:49*	*11/18/21 17:46*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A4C — Lab Sample ID: 180-130004-3

Date Collected: 11/13/21 12:00 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.5**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*83*	**3*	*55 - 135*	*11/16/21 21:49*	*11/18/21 17:46*	*1*
Tetrachloro-m-xylene (Surr)	*88*	**3*	*55 - 135*	*11/16/21 21:49*	*11/18/21 17:46*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.5**		1.2	0.45	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Barium	**84**		23	1.2	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Beryllium	**0.45**	**J**	0.46	0.027	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Cadmium	**0.068**	**J**	0.58	0.042	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Chromium	**12**		0.58	0.48	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Copper	**15**		2.9	2.7	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Lead	**12**		1.2	0.59	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Manganese	**450**		1.7	0.47	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Nickel	**18**		4.6	0.29	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Selenium	ND		1.2	0.60	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Silver	ND		0.58	0.12	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1
Zinc	**50**		2.3	1.8	mg/Kg	☼	11/18/21 10:30	11/19/21 16:22	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.029	0.019	mg/Kg	☼	11/17/21 07:28	11/18/21 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.5**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**85.5**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.48	0.25	mg/Kg	☼	11/18/21 13:42	11/20/21 16:04	1
Cyanide, Total	ND		0.53	0.29	mg/Kg	☼	11/18/21 12:00	11/19/21 15:29	1

Client Sample ID: SSHS-IRM5A2-A2-A5A — Lab Sample ID: 180-130004-4

Date Collected: 11/15/21 09:40 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0050	0.0047	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Benzene	ND		0.00083	0.00021	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
2-Butanone (MEK)	ND		0.0041	0.00030	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Carbon tetrachloride	ND		0.00083	0.00032	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Chlorobenzene	ND		0.00083	0.00015	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Chloroform	ND		0.00083	0.00080	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
cis-1,2-Dichloroethene	ND		0.00083	0.00030	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,2-Dichlorobenzene	ND		0.00083	0.00030	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,3-Dichlorobenzene	ND		0.00083	0.00030	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,4-Dichlorobenzene	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,1-Dichloroethane	ND		0.00083	0.00017	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,2-Dichloroethane	ND		0.00083	0.00025	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,1-Dichloroethene	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,4-Dioxane	ND		0.017	0.0076	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Ethylbenzene	ND		0.00083	0.00016	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1

Client Sample ID: SSHS-IRM5A2-A2-A5A — Lab Sample ID: 180-130004-4

Date Collected: 11/15/21 09:40 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.5**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0017	0.00095	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Methyl tert-butyl ether	ND		0.00083	0.00042	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
n-Butylbenzene	ND		0.00083	0.00024	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
N-Propylbenzene	ND		0.00083	0.00014	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
sec-Butylbenzene	ND		0.00083	0.00024	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
tert-Butylbenzene	ND		0.00083	0.00023	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Tetrachloroethene	**0.00064**	**J**	0.00083	0.00025	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Toluene	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
trans-1,2-Dichloroethene	ND		0.00083	0.00020	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,1,1-Trichloroethane	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Trichloroethene	**0.00044**	**J**	0.00083	0.00027	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,2,4-Trimethylbenzene	ND		0.00083	0.00020	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
1,3,5-Trimethylbenzene	ND		0.00083	0.00026	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Vinyl chloride	ND		0.00083	0.00045	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1
Xylenes, Total	ND		0.0017	0.00053	mg/Kg	☼	11/17/21 12:54	11/18/21 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 139*	*11/17/21 12:54*	*11/18/21 22:46*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*11/17/21 12:54*	*11/18/21 22:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/17/21 12:54*	*11/18/21 22:46*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/17/21 12:54*	*11/18/21 22:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**89.5**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A5B — Lab Sample ID: 180-130004-5

Date Collected: 11/15/21 09:45 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 88.4**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0049	0.0047	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Benzene	ND		0.00082	0.00021	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
2-Butanone (MEK)	ND		0.0041	0.00030	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Carbon tetrachloride	ND		0.00082	0.00032	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Chlorobenzene	ND		0.00082	0.00015	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Chloroform	ND		0.00082	0.00080	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
cis-1,2-Dichloroethene	ND		0.00082	0.00029	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,2-Dichlorobenzene	ND		0.00082	0.00030	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,3-Dichlorobenzene	ND		0.00082	0.00030	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,4-Dichlorobenzene	ND		0.00082	0.00018	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,1-Dichloroethane	ND		0.00082	0.00017	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,2-Dichloroethane	ND		0.00082	0.00024	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,1-Dichloroethene	ND		0.00082	0.00018	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,4-Dioxane	ND	*3	0.016	0.0075	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Ethylbenzene	ND		0.00082	0.00016	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Methylene Chloride	ND		0.0016	0.00094	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Methyl tert-butyl ether	ND		0.00082	0.00042	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1

Client Sample ID: SSHS-IRM5A2-A2-A5B — Lab Sample ID: 180-130004-5

Date Collected: 11/15/21 09:45 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 88.4**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.00082	0.00024	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
N-Propylbenzene	ND		0.00082	0.00014	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
sec-Butylbenzene	ND		0.00082	0.00024	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
tert-Butylbenzene	ND		0.00082	0.00023	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Tetrachloroethene	**0.00062**	**J**	0.00082	0.00025	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Toluene	ND		0.00082	0.00019	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
trans-1,2-Dichloroethene	ND		0.00082	0.00020	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,1,1-Trichloroethane	ND		0.00082	0.00019	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Trichloroethene	**0.00063**	**J**	0.00082	0.00026	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,2,4-Trimethylbenzene	ND		0.00082	0.00020	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
1,3,5-Trimethylbenzene	ND		0.00082	0.00026	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Vinyl chloride	ND		0.00082	0.00045	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1
Xylenes, Total	ND		0.0016	0.00053	mg/Kg	☼	11/17/21 12:55	11/18/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/17/21 12:55*	*11/18/21 23:08*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*11/17/21 12:55*	*11/18/21 23:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*11/17/21 12:55*	*11/18/21 23:08*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 12:55*	*11/18/21 23:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.6**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**88.4**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A5C — Lab Sample ID: 180-130004-6

Date Collected: 11/13/21 12:10 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0022**	**J**	0.0074	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Acenaphthylene	**0.0058**	**J**	0.0074	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Anthracene	**0.0069**	**J**	0.0074	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Benzo[a]anthracene	**0.019**		0.0074	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Benzo[a]pyrene	**0.018**		0.0074	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Benzo[b]fluoranthene	**0.026**		0.0074	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Benzo[g,h,i]perylene	**0.016**		0.0074	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Benzo[k]fluoranthene	**0.0082**		0.0074	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Chrysene	**0.024**		0.0074	0.0041	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Dibenz(a,h)anthracene	**0.0048**	**J**	0.0074	0.0047	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Fluoranthene	**0.030**		0.0074	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Indeno[1,2,3-cd]pyrene	**0.014**		0.0074	0.0037	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1

Client Sample ID: SSHS-IRM5A2-A2-A5C **Lab Sample ID: 180-130004-6**
Date Collected: 11/13/21 12:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Naphthalene	**0.0050**	**J**	0.0074	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Phenanthrene	**0.021**		0.0074	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Pyrene	**0.033**		0.0074	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*11/17/21 06:29*	*11/17/21 15:26*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*11/17/21 06:29*	*11/17/21 15:26*	*1*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*11/17/21 06:29*	*11/17/21 15:26*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*11/17/21 06:29*	*11/17/21 15:26*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*11/17/21 06:29*	*11/17/21 15:26*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 119*	*11/17/21 06:29*	*11/17/21 15:26*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	*3	0.019	0.0061	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1221	ND	*3	0.019	0.0066	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1232	ND	*3	0.019	0.0046	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1242	ND	*3	0.019	0.0027	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1248	ND	*3	0.019	0.0045	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1254	**0.059**		0.019	0.0056	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/16/21 21:49	11/18/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*11/16/21 21:49*	*11/18/21 18:05*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*11/16/21 21:49*	*11/18/21 18:05*	*1*
Tetrachloro-m-xylene (Surr)	*96*	*3	*55 - 135*	*11/16/21 21:49*	*11/18/21 18:05*	*1*
Tetrachloro-m-xylene (Surr)	*101*	*3	*55 - 135*	*11/16/21 21:49*	*11/18/21 18:05*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.7**		0.74	0.29	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Barium	**74**		15	0.80	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Beryllium	**0.42**		0.30	0.017	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Cadmium	**0.066**	**J**	0.37	0.027	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Chromium	**12**		0.37	0.31	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Copper	**24**		1.9	1.7	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Lead	**11**		0.74	0.38	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Manganese	**390**		1.1	0.30	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Nickel	**16**		3.0	0.18	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Selenium	ND		0.74	0.38	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1

Client Sample ID: SSHS-IRM5A2-A2-A5C
Lab Sample ID: 180-130004-6
Date Collected: 11/13/21 12:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.0**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.37	0.078	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1
Zinc	**54**		1.5	1.2	mg/Kg	☼	11/18/21 10:30	11/19/21 16:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.034	0.022	mg/Kg	☼	11/17/21 07:28	11/18/21 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**89.0**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:40	1
Cyanide, Total	ND		0.54	0.29	mg/Kg	☼	11/18/21 12:00	11/19/21 15:31	1

Client Sample ID: SSHS-IRM5A2-A2-A6A
Lab Sample ID: 180-130004-7
Date Collected: 11/15/21 09:50 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.7**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0056	0.0053	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Benzene	ND		0.00093	0.00024	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
2-Butanone (MEK)	ND		0.0047	0.00034	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Carbon tetrachloride	ND		0.00093	0.00036	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Chlorobenzene	ND		0.00093	0.00017	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Chloroform	ND		0.00093	0.00091	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
cis-1,2-Dichloroethene	**0.00079**	**J**	0.00093	0.00033	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,2-Dichlorobenzene	ND		0.00093	0.00034	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,3-Dichlorobenzene	ND		0.00093	0.00034	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,4-Dichlorobenzene	ND		0.00093	0.00021	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,1-Dichloroethane	ND		0.00093	0.00019	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,2-Dichloroethane	ND		0.00093	0.00028	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,1-Dichloroethene	ND		0.00093	0.00021	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,4-Dioxane	ND	*3	0.019	0.0086	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Ethylbenzene	ND		0.00093	0.00019	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Methyl tert-butyl ether	ND		0.00093	0.00048	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
n-Butylbenzene	ND		0.00093	0.00027	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
N-Propylbenzene	ND		0.00093	0.00016	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
sec-Butylbenzene	ND		0.00093	0.00027	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
tert-Butylbenzene	ND		0.00093	0.00026	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Tetrachloroethene	**0.0070**		0.00093	0.00028	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Toluene	ND		0.00093	0.00022	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
trans-1,2-Dichloroethene	ND		0.00093	0.00023	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,1,1-Trichloroethane	**0.00022**	**J**	0.00093	0.00022	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Trichloroethene	**0.030**		0.00093	0.00030	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,2,4-Trimethylbenzene	ND		0.00093	0.00023	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
1,3,5-Trimethylbenzene	ND		0.00093	0.00029	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Vinyl chloride	ND		0.00093	0.00051	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1
Xylenes, Total	ND		0.0019	0.00060	mg/Kg	☼	11/17/21 12:56	11/18/21 23:29	1

Client Sample ID: SSHS-IRM5A2-A2-A6A — Lab Sample ID: 180-130004-7

Date Collected: 11/15/21 09:50 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.7**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 139*	*11/17/21 12:56*	*11/18/21 23:29*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/17/21 12:56*	*11/18/21 23:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*11/17/21 12:56*	*11/18/21 23:29*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/17/21 12:56*	*11/18/21 23:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**89.7**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A6B — Lab Sample ID: 180-130004-8

Date Collected: 11/15/21 09:55 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.9**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0051	0.0049	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Benzene	ND		0.00086	0.00022	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
2-Butanone (MEK)	ND		0.0043	0.00032	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Carbon tetrachloride	ND		0.00086	0.00033	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Chlorobenzene	ND		0.00086	0.00015	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Chloroform	ND		0.00086	0.00083	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
cis-1,2-Dichloroethene	ND		0.00086	0.00031	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,2-Dichlorobenzene	ND		0.00086	0.00031	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,3-Dichlorobenzene	ND		0.00086	0.00031	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,4-Dichlorobenzene	ND		0.00086	0.00019	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,1-Dichloroethane	ND		0.00086	0.00018	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,2-Dichloroethane	ND		0.00086	0.00025	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,1-Dichloroethene	ND		0.00086	0.00019	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,4-Dioxane	ND		0.017	0.0079	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Ethylbenzene	ND		0.00086	0.00017	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Methylene Chloride	ND		0.0017	0.00098	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Methyl tert-butyl ether	ND		0.00086	0.00044	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
n-Butylbenzene	ND		0.00086	0.00025	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
N-Propylbenzene	ND		0.00086	0.00015	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
sec-Butylbenzene	ND		0.00086	0.00025	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
tert-Butylbenzene	ND		0.00086	0.00024	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Tetrachloroethene	**0.0013**		0.00086	0.00026	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Toluene	ND		0.00086	0.00020	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
trans-1,2-Dichloroethene	ND		0.00086	0.00021	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,1,1-Trichloroethane	ND		0.00086	0.00020	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Trichloroethene	**0.0017**		0.00086	0.00028	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,2,4-Trimethylbenzene	ND		0.00086	0.00021	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
1,3,5-Trimethylbenzene	ND		0.00086	0.00027	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Vinyl chloride	ND		0.00086	0.00047	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1
Xylenes, Total	ND		0.0017	0.00055	mg/Kg	☼	11/17/21 12:56	11/18/21 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 139*	*11/17/21 12:56*	*11/18/21 23:51*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/17/21 12:56*	*11/18/21 23:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/17/21 12:56*	*11/18/21 23:51*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A6B — Lab Sample ID: 180-130004-8

Date Collected: 11/15/21 09:55 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.9**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 12:56*	*11/18/21 23:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.1**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**89.9**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A6C — Lab Sample ID: 180-130004-9

Date Collected: 11/13/21 13:20 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 92.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Acenaphthylene	**0.032**		0.0072	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Anthracene	**0.021**		0.0072	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Benzo[a]anthracene	**0.035**		0.0072	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Benzo[a]pyrene	**0.036**		0.0072	0.0031	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Benzo[b]fluoranthene	**0.057**		0.0072	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Benzo[g,h,i]perylene	**0.048**		0.0072	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Benzo[k]fluoranthene	**0.019**		0.0072	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Chrysene	**0.045**		0.0072	0.0040	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Dibenz(a,h)anthracene	**0.010**		0.0072	0.0046	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Fluoranthene	**0.054**		0.0072	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Indeno[1,2,3-cd]pyrene	**0.037**		0.0072	0.0035	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Naphthalene	**0.013**		0.0072	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Phenanthrene	**0.029**		0.0072	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Phenol	ND		0.035	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Pyrene	**0.059**		0.0072	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*79*		*35 - 105*	*11/17/21 06:29*	*11/17/21 15:48*	*1*
2-Fluorophenol (Surr)	*62*		*32 - 105*	*11/17/21 06:29*	*11/17/21 15:48*	*1*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*11/17/21 06:29*	*11/17/21 15:48*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*11/17/21 06:29*	*11/17/21 15:48*	*1*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*11/17/21 06:29*	*11/17/21 15:48*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A6C
Lab Sample ID: 180-130004-9

Date Collected: 11/13/21 13:20 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 92.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*20 - 119*	*11/17/21 06:29*	*11/17/21 15:48*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.18	0.058	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1221	ND		0.18	0.063	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1232	ND		0.18	0.043	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1242	ND		0.18	0.026	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1248	**11**		0.18	0.042	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1254	**4.7**		0.18	0.053	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1260	ND		0.18	0.050	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1262	ND		0.18	0.062	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10
PCB-1268	ND		0.18	0.024	mg/Kg	☼	11/16/21 21:49	11/19/21 07:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/16/21 21:49*	*11/19/21 07:31*	*10*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*11/16/21 21:49*	*11/19/21 07:31*	*10*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*11/16/21 21:49*	*11/19/21 07:31*	*10*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*11/16/21 21:49*	*11/19/21 07:31*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.2**		0.93	0.37	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Barium	**94**		19	1.0	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Beryllium	**0.46**		0.37	0.021	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Cadmium	**0.20**	**J**	0.47	0.034	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Chromium	**13**		0.47	0.38	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Copper	**130**		2.3	2.1	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Lead	**47**		0.93	0.48	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Manganese	**480**		1.4	0.38	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Nickel	**20**		3.7	0.23	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Selenium	**0.52**	**J**	0.93	0.48	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Silver	ND		0.47	0.098	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1
Zinc	**160**		1.9	1.5	mg/Kg	☼	11/18/21 10:30	11/19/21 16:31	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.032	0.021	mg/Kg	☼	11/17/21 07:28	11/18/21 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**92.3**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	11/22/21 09:59	11/23/21 17:41	1
Cyanide, Total	ND		0.54	0.29	mg/Kg	☼	11/18/21 12:00	11/19/21 15:33	1

Client Sample ID: SSHS-IRM5A2-A2-A7A

Lab Sample ID: 180-130004-10

Date Collected: 11/15/21 10:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0049	0.0047	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Benzene	ND		0.00082	0.00021	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
2-Butanone (MEK)	ND		0.0041	0.00030	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Carbon tetrachloride	ND		0.00082	0.00032	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Chlorobenzene	ND		0.00082	0.00015	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Chloroform	ND		0.00082	0.00080	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
cis-1,2-Dichloroethene	ND		0.00082	0.00029	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,2-Dichlorobenzene	ND		0.00082	0.00030	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,3-Dichlorobenzene	ND		0.00082	0.00030	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,4-Dichlorobenzene	ND		0.00082	0.00018	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,1-Dichloroethane	ND		0.00082	0.00017	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,2-Dichloroethane	ND		0.00082	0.00024	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,1-Dichloroethene	ND		0.00082	0.00018	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,4-Dioxane	ND		0.016	0.0075	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Ethylbenzene	ND		0.00082	0.00016	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Methylene Chloride	ND		0.0016	0.00094	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Methyl tert-butyl ether	ND		0.00082	0.00042	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
n-Butylbenzene	ND		0.00082	0.00024	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
N-Propylbenzene	ND		0.00082	0.00014	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
sec-Butylbenzene	ND		0.00082	0.00024	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
tert-Butylbenzene	ND		0.00082	0.00023	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Tetrachloroethene	ND		0.00082	0.00025	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Toluene	ND		0.00082	0.00019	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
trans-1,2-Dichloroethene	ND		0.00082	0.00020	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,1,1-Trichloroethane	ND		0.00082	0.00019	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Trichloroethene	ND		0.00082	0.00026	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,2,4-Trimethylbenzene	ND		0.00082	0.00020	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
1,3,5-Trimethylbenzene	ND		0.00082	0.00026	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Vinyl chloride	ND		0.00082	0.00045	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1
Xylenes, Total	ND		0.0016	0.00053	mg/Kg	☼	11/17/21 12:57	11/19/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 12:57*	*11/19/21 00:12*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/17/21 12:57*	*11/19/21 00:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*11/17/21 12:57*	*11/19/21 00:12*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/17/21 12:57*	*11/19/21 00:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**85.7**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A7B

Lab Sample ID: 180-130004-11

Date Collected: 11/15/21 10:05
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0053	0.0051	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Benzene	ND		0.00089	0.00023	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1

Client Sample ID: SSHS-IRM5A2-A2-A7B — Lab Sample ID: 180-130004-11

Date Collected: 11/15/21 10:05 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.3**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0044	0.00033	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Carbon tetrachloride	ND		0.00089	0.00034	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Chlorobenzene	ND		0.00089	0.00016	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Chloroform	ND		0.00089	0.00086	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
cis-1,2-Dichloroethene	ND		0.00089	0.00032	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,2-Dichlorobenzene	ND		0.00089	0.00032	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,3-Dichlorobenzene	ND		0.00089	0.00032	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,4-Dichlorobenzene	ND		0.00089	0.00020	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,1-Dichloroethane	ND		0.00089	0.00018	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,2-Dichloroethane	ND		0.00089	0.00026	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,1-Dichloroethene	ND		0.00089	0.00020	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,4-Dioxane	ND		0.018	0.0081	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Ethylbenzene	ND		0.00089	0.00018	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Methylene Chloride	ND		0.0018	0.0010	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Methyl tert-butyl ether	ND		0.00089	0.00045	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
n-Butylbenzene	ND		0.00089	0.00026	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
N-Propylbenzene	ND		0.00089	0.00016	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
sec-Butylbenzene	ND		0.00089	0.00026	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
tert-Butylbenzene	ND		0.00089	0.00024	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Tetrachloroethene	**0.0032**		0.00089	0.00027	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Toluene	ND		0.00089	0.00021	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
trans-1,2-Dichloroethene	ND		0.00089	0.00022	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,1,1-Trichloroethane	ND		0.00089	0.00021	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Trichloroethene	**0.012**		0.00089	0.00028	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,2,4-Trimethylbenzene	ND		0.00089	0.00022	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
1,3,5-Trimethylbenzene	ND		0.00089	0.00028	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Vinyl chloride	ND		0.00089	0.00048	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1
Xylenes, Total	ND		0.0018	0.00057	mg/Kg	☼	11/17/21 12:58	11/19/21 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 139*	*11/17/21 12:58*	*11/19/21 00:34*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/17/21 12:58*	*11/19/21 00:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*	*11/17/21 12:58*	*11/19/21 00:34*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/17/21 12:58*	*11/19/21 00:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**89.3**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A7C — Lab Sample ID: 180-130004-12

Date Collected: 11/13/21 14:10 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 89.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Acenaphthylene	**0.036**		0.0073	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Anthracene	**0.022**		0.0073	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Benzo[a]anthracene	**0.036**		0.0073	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1

Client Sample ID: SSHS-IRM5A2-A2-A7C **Lab Sample ID: 180-130004-12**
Date Collected: 11/13/21 14:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.040**		0.0073	0.0031	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Benzo[b]fluoranthene	**0.064**		0.0073	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Benzo[g,h,i]perylene	**0.058**		0.0073	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Benzo[k]fluoranthene	**0.020**		0.0073	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Chrysene	**0.051**		0.0073	0.0040	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Dibenz(a,h)anthracene	**0.013**		0.0073	0.0046	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Fluoranthene	**0.049**		0.0073	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Indeno[1,2,3-cd]pyrene	**0.050**		0.0073	0.0036	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Naphthalene	**0.011**		0.0073	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Phenanthrene	**0.024**		0.0073	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Pyrene	**0.057**		0.0073	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*11/17/21 06:29*	*11/17/21 16:09*	*1*
2-Fluorophenol (Surr)	*65*		*32 - 105*	*11/17/21 06:29*	*11/17/21 16:09*	*1*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*	*11/17/21 06:29*	*11/17/21 16:09*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*11/17/21 06:29*	*11/17/21 16:09*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*11/17/21 06:29*	*11/17/21 16:09*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 119*	*11/17/21 06:29*	*11/17/21 16:09*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.060	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1221	ND		0.19	0.066	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1232	ND		0.19	0.045	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1242	ND		0.19	0.027	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1248	**8.1**		0.19	0.045	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1254	**2.9**		0.19	0.056	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1260	ND		0.19	0.053	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1262	ND		0.19	0.065	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10
PCB-1268	ND		0.19	0.025	mg/Kg	☼	11/16/21 21:49	11/19/21 07:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*126*		*63 - 138*	*11/16/21 21:49*	*11/19/21 07:49*	*10*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*11/16/21 21:49*	*11/19/21 07:49*	*10*

Client Sample ID: SSHS-IRM5A2-A2-A7C

Lab Sample ID: 180-130004-12

Date Collected: 11/13/21 14:10
Date Received: 11/16/21 10:00

Matrix: Solid
Percent Solids: 89.1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*11/16/21 21:49*	*11/19/21 07:49*	*10*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*11/16/21 21:49*	*11/19/21 07:49*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.9**		0.81	0.32	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Barium	**72**		16	0.87	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Beryllium	**0.39**		0.33	0.019	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Cadmium	**0.084**	**J**	0.41	0.030	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Chromium	**10**		0.41	0.33	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Copper	**57**		2.0	1.9	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Lead	**16**		0.81	0.42	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Manganese	**410**		1.2	0.33	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Nickel	**17**		3.3	0.20	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Selenium	ND		0.81	0.42	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Silver	ND		0.41	0.086	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1
Zinc	**75**		1.6	1.3	mg/Kg	☼	11/18/21 10:30	11/19/21 16:45	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.026	0.017	mg/Kg	☼	11/17/21 07:28	11/18/21 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**89.1**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:42	1
Cyanide, Total	ND		0.49	0.27	mg/Kg	☼	11/18/21 12:00	11/19/21 15:34	1

Client Sample ID: SSHS-IRM5A2-A2-A8A

Lab Sample ID: 180-130004-13

Date Collected: 11/15/21 10:10
Date Received: 11/16/21 10:00

Matrix: Solid
Percent Solids: 85.6

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0051	0.0049	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Benzene	ND		0.00085	0.00022	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
2-Butanone (MEK)	ND		0.0043	0.00031	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Carbon tetrachloride	ND		0.00085	0.00033	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Chlorobenzene	ND		0.00085	0.00015	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Chloroform	ND		0.00085	0.00083	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
cis-1,2-Dichloroethene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,2-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,3-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,4-Dichlorobenzene	ND		0.00085	0.00019	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,1-Dichloroethane	ND		0.00085	0.00018	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,2-Dichloroethane	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,1-Dichloroethene	ND		0.00085	0.00019	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,4-Dioxane	ND		0.017	0.0078	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Ethylbenzene	ND		0.00085	0.00017	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1

Client Sample ID: SSHS-IRM5A2-A2-A8A — Lab Sample ID: 180-130004-13

Date Collected: 11/15/21 10:10 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.6**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0017	0.00098	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Methyl tert-butyl ether	ND		0.00085	0.00044	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
n-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
N-Propylbenzene	ND		0.00085	0.00015	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
sec-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
tert-Butylbenzene	ND		0.00085	0.00024	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Tetrachloroethene	ND		0.00085	0.00026	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Toluene	ND		0.00085	0.00020	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
trans-1,2-Dichloroethene	ND		0.00085	0.00021	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,1,1-Trichloroethane	ND		0.00085	0.00020	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Trichloroethene	**0.00041**	**J**	0.00085	0.00027	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,2,4-Trimethylbenzene	ND		0.00085	0.00021	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
1,3,5-Trimethylbenzene	ND		0.00085	0.00027	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Vinyl chloride	ND		0.00085	0.00047	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1
Xylenes, Total	ND		0.0017	0.00055	mg/Kg	☼	11/17/21 12:58	11/19/21 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 12:58*	*11/19/21 00:56*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*	*11/17/21 12:58*	*11/19/21 00:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*	*11/17/21 12:58*	*11/19/21 00:56*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*11/17/21 12:58*	*11/19/21 00:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.4**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**85.6**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A8B — Lab Sample ID: 180-130004-14

Date Collected: 11/15/21 10:15 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 86.2**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0053	0.0051	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Benzene	ND		0.00089	0.00023	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
2-Butanone (MEK)	ND		0.0044	0.00033	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Carbon tetrachloride	ND		0.00089	0.00034	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Chlorobenzene	ND		0.00089	0.00016	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Chloroform	ND		0.00089	0.00086	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
cis-1,2-Dichloroethene	ND		0.00089	0.00032	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,2-Dichlorobenzene	ND		0.00089	0.00032	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,3-Dichlorobenzene	ND		0.00089	0.00032	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,4-Dichlorobenzene	ND		0.00089	0.00020	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,1-Dichloroethane	ND		0.00089	0.00018	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,2-Dichloroethane	ND		0.00089	0.00026	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,1-Dichloroethene	ND		0.00089	0.00020	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,4-Dioxane	ND		0.018	0.0081	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Ethylbenzene	ND		0.00089	0.00018	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Methylene Chloride	ND		0.0018	0.0010	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Methyl tert-butyl ether	ND		0.00089	0.00045	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1

Client Sample ID: SSHS-IRM5A2-A2-A8B

Lab Sample ID: 180-130004-14
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 86.2

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.00089	0.00026	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
N-Propylbenzene	ND		0.00089	0.00016	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
sec-Butylbenzene	ND		0.00089	0.00026	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
tert-Butylbenzene	ND		0.00089	0.00024	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Tetrachloroethene	ND		0.00089	0.00027	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Toluene	ND		0.00089	0.00021	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
trans-1,2-Dichloroethene	ND		0.00089	0.00022	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,1,1-Trichloroethane	ND		0.00089	0.00021	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Trichloroethene	**0.00057**	**J**	0.00089	0.00028	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,2,4-Trimethylbenzene	ND		0.00089	0.00022	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
1,3,5-Trimethylbenzene	ND		0.00089	0.00028	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Vinyl chloride	ND		0.00089	0.00048	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1
Xylenes, Total	ND		0.0018	0.00057	mg/Kg	☼	11/17/21 12:59	11/19/21 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*	*11/17/21 12:59*	*11/19/21 01:17*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/17/21 12:59*	*11/19/21 01:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*11/17/21 12:59*	*11/19/21 01:17*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*11/17/21 12:59*	*11/19/21 01:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.8**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**86.2**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A8C

Lab Sample ID: 180-130004-15
Date Collected: 11/13/21 14:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 85.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0076	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Acenaphthylene	**0.018**		0.0076	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Anthracene	**0.013**		0.0076	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Benzo[a]anthracene	**0.036**		0.0076	0.0034	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Benzo[a]pyrene	**0.033**		0.0076	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Benzo[b]fluoranthene	**0.052**		0.0076	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Benzo[g,h,i]perylene	**0.033**		0.0076	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Benzo[k]fluoranthene	**0.015**		0.0076	0.0023	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Chrysene	**0.041**		0.0076	0.0042	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Dibenz(a,h)anthracene	**0.0083**		0.0076	0.0048	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Fluoranthene	**0.052**		0.0076	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Fluorene	**0.0029**	**J**	0.0076	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Indeno[1,2,3-cd]pyrene	**0.028**		0.0076	0.0037	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1

Client Sample ID: SSHS-IRM5A2-A2-A8C
Date Collected: 11/13/21 14:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-15
Matrix: Solid
Percent Solids: 85.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Naphthalene	**0.013**		0.0076	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Phenanthrene	**0.025**		0.0076	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Pyrene	**0.061**		0.0076	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
Pyridine	ND		0.076	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1
2,4,6-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*11/17/21 06:29*	*11/17/21 16:31*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*11/17/21 06:29*	*11/17/21 16:31*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*11/17/21 06:29*	*11/17/21 16:31*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*11/17/21 06:29*	*11/17/21 16:31*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*11/17/21 06:29*	*11/17/21 16:31*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*11/17/21 06:29*	*11/17/21 16:31*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1248	**0.034**		0.019	0.0046	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1254	**0.035**		0.019	0.0057	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/16/21 21:49	11/18/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*11/16/21 21:49*	*11/18/21 19:02*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*11/16/21 21:49*	*11/18/21 19:02*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*11/16/21 21:49*	*11/18/21 19:02*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*11/16/21 21:49*	*11/18/21 19:02*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.4**		1.0	0.40	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Barium	**78**		21	1.1	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Beryllium	**0.46**		0.41	0.024	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Cadmium	**0.085**	**J**	0.52	0.038	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Chromium	**12**		0.52	0.42	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Copper	**27**		2.6	2.4	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Lead	**15**		1.0	0.53	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Manganese	**410**		1.5	0.42	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Nickel	**17**		4.1	0.26	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Selenium	**0.56**	**J**	1.0	0.53	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1

Client Sample ID: SSHS-IRM5A2-A2-A8C
Lab Sample ID: 180-130004-15
Date Collected: 11/13/21 14:20 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 85.7**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.52	0.11	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1
Zinc	**70**		2.1	1.6	mg/Kg	☼	11/18/21 10:30	11/19/21 16:49	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**		0.031	0.020	mg/Kg	☼	11/17/21 07:28	11/18/21 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**85.7**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/22/21 09:59	11/23/21 17:43	1
Cyanide, Total	ND		0.51	0.28	mg/Kg	☼	11/18/21 12:00	11/19/21 15:36	1

Client Sample ID: SSHS-IRM5A2-A2-A9A
Lab Sample ID: 180-130004-16
Date Collected: 11/15/21 10:20 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 87.3**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0051	0.0049	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Benzene	ND		0.00085	0.00022	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
2-Butanone (MEK)	ND		0.0043	0.00031	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Carbon tetrachloride	ND		0.00085	0.00033	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Chlorobenzene	ND		0.00085	0.00015	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Chloroform	ND		0.00085	0.00083	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
cis-1,2-Dichloroethene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,2-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,3-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,4-Dichlorobenzene	ND		0.00085	0.00019	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,1-Dichloroethane	ND		0.00085	0.00018	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,2-Dichloroethane	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,1-Dichloroethene	ND		0.00085	0.00019	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,4-Dioxane	ND		0.017	0.0078	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Ethylbenzene	ND		0.00085	0.00017	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Methylene Chloride	ND		0.0017	0.00098	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Methyl tert-butyl ether	ND		0.00085	0.00044	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
n-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
N-Propylbenzene	ND		0.00085	0.00015	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
sec-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
tert-Butylbenzene	ND		0.00085	0.00024	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Tetrachloroethene	ND		0.00085	0.00026	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Toluene	ND		0.00085	0.00020	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
trans-1,2-Dichloroethene	ND		0.00085	0.00021	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,1,1-Trichloroethane	ND		0.00085	0.00020	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Trichloroethene	**0.00092**		0.00085	0.00027	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,2,4-Trimethylbenzene	ND		0.00085	0.00021	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
1,3,5-Trimethylbenzene	ND		0.00085	0.00027	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Vinyl chloride	ND		0.00085	0.00047	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1
Xylenes, Total	ND		0.0017	0.00055	mg/Kg	☼	11/17/21 13:00	11/19/21 01:39	1

Client Sample ID: SSHS-IRM5A2-A2-A9A — Lab Sample ID: 180-130004-16

Date Collected: 11/15/21 10:20 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 87.3**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 13:00*	*11/19/21 01:39*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/17/21 13:00*	*11/19/21 01:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/17/21 13:00*	*11/19/21 01:39*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 13:00*	*11/19/21 01:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.7**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**87.3**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A9B — Lab Sample ID: 180-130004-17

Date Collected: 11/15/21 10:25 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.1**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0052	0.0050	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Benzene	ND		0.00087	0.00022	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
2-Butanone (MEK)	ND		0.0043	0.00032	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Carbon tetrachloride	ND		0.00087	0.00034	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Chlorobenzene	ND		0.00087	0.00015	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Chloroform	ND		0.00087	0.00084	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
cis-1,2-Dichloroethene	ND		0.00087	0.00031	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,2-Dichlorobenzene	ND		0.00087	0.00031	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,3-Dichlorobenzene	ND		0.00087	0.00032	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,4-Dichlorobenzene	ND		0.00087	0.00019	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,1-Dichloroethane	ND		0.00087	0.00018	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,2-Dichloroethane	ND		0.00087	0.00026	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,1-Dichloroethene	ND		0.00087	0.00019	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,4-Dioxane	ND		0.017	0.0079	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Ethylbenzene	ND		0.00087	0.00017	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Methylene Chloride	ND		0.0017	0.00099	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Methyl tert-butyl ether	ND		0.00087	0.00044	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
n-Butylbenzene	ND		0.00087	0.00025	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
N-Propylbenzene	ND		0.00087	0.00015	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
sec-Butylbenzene	ND		0.00087	0.00025	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
tert-Butylbenzene	ND		0.00087	0.00024	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Tetrachloroethene	ND		0.00087	0.00026	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Toluene	ND		0.00087	0.00020	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
trans-1,2-Dichloroethene	ND		0.00087	0.00021	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,1,1-Trichloroethane	ND		0.00087	0.00020	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Trichloroethene	**0.00044**	**J**	0.00087	0.00028	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,2,4-Trimethylbenzene	ND		0.00087	0.00021	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
1,3,5-Trimethylbenzene	ND		0.00087	0.00027	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Vinyl chloride	ND		0.00087	0.00047	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1
Xylenes, Total	ND		0.0017	0.00056	mg/Kg	☼	11/17/21 13:01	11/19/21 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*101*		*70 - 139*	*11/17/21 13:01*	*11/19/21 02:01*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*11/17/21 13:01*	*11/19/21 02:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*	*11/17/21 13:01*	*11/19/21 02:01*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A9B — Lab Sample ID: 180-130004-17

Date Collected: 11/15/21 10:25 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.1**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/17/21 13:01*	*11/19/21 02:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.9**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**85.1**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A9C — Lab Sample ID: 180-130004-18

Date Collected: 11/13/21 14:45 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0051**	**J**	0.0078	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Acenaphthylene	**0.075**		0.0078	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Anthracene	**0.068**		0.0078	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Benzo[a]anthracene	**0.20**		0.0078	0.0035	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Benzo[a]pyrene	**0.18**		0.0078	0.0034	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Benzo[b]fluoranthene	**0.25**		0.0078	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Benzo[g,h,i]perylene	**0.17**		0.0078	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Benzo[k]fluoranthene	**0.077**		0.0078	0.0023	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Chrysene	**0.22**		0.0078	0.0043	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Dibenz(a,h)anthracene	**0.047**		0.0078	0.0050	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
1,4-Dioxane	ND		0.077	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Fluoranthene	**0.30**		0.0078	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Fluorene	ND		0.0078	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.0078	0.0039	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Naphthalene	**0.047**		0.0078	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Nitrobenzene	ND		0.077	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Phenanthrene	**0.11**		0.0078	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Phenol	ND		0.038	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Pyrene	**0.32**		0.0078	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*73*		*35 - 105*	*11/17/21 06:29*	*11/17/21 16:53*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*11/17/21 06:29*	*11/17/21 16:53*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*11/17/21 06:29*	*11/17/21 16:53*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/17/21 06:29*	*11/17/21 16:53*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*11/17/21 06:29*	*11/17/21 16:53*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A9C
Lab Sample ID: 180-130004-18
Date Collected: 11/13/21 14:45 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 85.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*11/17/21 06:29*	*11/17/21 16:53*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1221	ND		0.019	0.0069	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1242	ND		0.019	0.0029	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1248	**0.10**		0.019	0.0047	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1254	**0.072**		0.019	0.0058	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/16/21 21:49	11/19/21 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*60*	*S1-*	*63 - 138*	*11/16/21 21:49*	*11/19/21 08:08*	*1*
DCB Decachlorobiphenyl (Surr)	*56*	*S1-*	*63 - 138*	*11/16/21 21:49*	*11/19/21 08:08*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*	*11/16/21 21:49*	*11/19/21 08:08*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*11/16/21 21:49*	*11/19/21 08:08*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.5**		1.1	0.43	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Barium	**73**		22	1.2	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Beryllium	**0.44**		0.44	0.025	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Cadmium	**0.098**	**J**	0.55	0.040	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Chromium	**13**		0.55	0.45	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Copper	**43**		2.8	2.5	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Lead	**28**		1.1	0.56	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Manganese	**430**		1.7	0.45	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Nickel	**20**		4.4	0.27	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Selenium	ND		1.1	0.57	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Silver	ND		0.55	0.12	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1
Zinc	**80**		2.2	1.7	mg/Kg	☼	11/18/21 10:30	11/19/21 16:54	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.075**		0.037	0.024	mg/Kg	☼	11/17/21 07:28	11/18/21 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.4**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**85.6**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.48	0.25	mg/Kg	☼	11/22/21 09:59	11/23/21 17:44	1
Cyanide, Total	ND		0.49	0.26	mg/Kg	☼	11/18/21 12:00	11/19/21 15:38	1

Client Sample ID: SSHS-IRM5A2-A2-A10A — Lab Sample ID: 180-130004-19

Date Collected: 11/15/21 08:50 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 87.6**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0087**		0.0060	0.0057	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Benzene	ND		0.00099	0.00026	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
2-Butanone (MEK)	ND		0.0050	0.00036	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Carbon tetrachloride	ND		0.00099	0.00038	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Chlorobenzene	ND		0.00099	0.00018	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Chloroform	ND		0.00099	0.00096	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
cis-1,2-Dichloroethene	ND		0.00099	0.00036	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,2-Dichlorobenzene	ND		0.00099	0.00036	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,3-Dichlorobenzene	ND		0.00099	0.00036	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,4-Dichlorobenzene	ND		0.00099	0.00022	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,1-Dichloroethane	ND		0.00099	0.00020	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,2-Dichloroethane	ND		0.00099	0.00029	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,1-Dichloroethene	ND		0.00099	0.00022	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,4-Dioxane	ND		0.020	0.0091	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Ethylbenzene	ND		0.00099	0.00020	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Methyl tert-butyl ether	ND		0.00099	0.00051	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
n-Butylbenzene	ND		0.00099	0.00029	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
N-Propylbenzene	ND		0.00099	0.00017	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
sec-Butylbenzene	ND		0.00099	0.00029	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
tert-Butylbenzene	ND		0.00099	0.00027	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Tetrachloroethene	ND		0.00099	0.00030	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Toluene	ND		0.00099	0.00023	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
trans-1,2-Dichloroethene	ND		0.00099	0.00024	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,1,1-Trichloroethane	**0.00054**	**J**	0.00099	0.00023	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Trichloroethene	**0.0017**		0.00099	0.00032	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,2,4-Trimethylbenzene	ND		0.00099	0.00024	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
1,3,5-Trimethylbenzene	ND		0.00099	0.00031	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Vinyl chloride	ND		0.00099	0.00054	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg	☼	11/17/21 13:01	11/19/21 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/17/21 13:01*	*11/19/21 02:22*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*11/17/21 13:01*	*11/19/21 02:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*11/17/21 13:01*	*11/19/21 02:22*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 13:01*	*11/19/21 02:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.4**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**87.6**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A10B — Lab Sample ID: 180-130004-20

Date Collected: 11/15/21 08:50 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.7**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.19**		0.0078	0.0075	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Benzene	ND		0.0013	0.00034	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1

Client Sample ID: SSHS-IRM5A2-A2-A10B — Lab Sample ID: 180-130004-20

Date Collected: 11/15/21 08:50 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 85.7**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**0.057**		0.0065	0.00048	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Carbon tetrachloride	ND		0.0013	0.00050	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Chlorobenzene	ND		0.0013	0.00023	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Chloroform	ND		0.0013	0.0013	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
cis-1,2-Dichloroethene	ND		0.0013	0.00047	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,2-Dichlorobenzene	ND		0.0013	0.00047	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,3-Dichlorobenzene	ND		0.0013	0.00048	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,4-Dichlorobenzene	ND		0.0013	0.00029	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,1-Dichloroethane	ND		0.0013	0.00027	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,2-Dichloroethane	ND		0.0013	0.00039	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,1-Dichloroethene	ND		0.0013	0.00029	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,4-Dioxane	ND		0.026	0.012	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Ethylbenzene	ND		0.0013	0.00026	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Methylene Chloride	ND		0.0026	0.0015	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Methyl tert-butyl ether	ND		0.0013	0.00067	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
n-Butylbenzene	ND		0.0013	0.00038	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
N-Propylbenzene	ND		0.0013	0.00023	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
sec-Butylbenzene	ND		0.0013	0.00038	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
tert-Butylbenzene	ND		0.0013	0.00036	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Tetrachloroethene	ND		0.0013	0.00040	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Toluene	ND		0.0013	0.00031	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
trans-1,2-Dichloroethene	ND		0.0013	0.00032	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,1,1-Trichloroethane	ND		0.0013	0.00030	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Trichloroethene	**0.0015**		0.0013	0.00042	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,2,4-Trimethylbenzene	ND		0.0013	0.00032	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
1,3,5-Trimethylbenzene	ND		0.0013	0.00041	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Vinyl chloride	ND		0.0013	0.00071	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1
Xylenes, Total	ND		0.0026	0.00084	mg/Kg	☼	11/17/21 13:02	11/19/21 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 139*	*11/17/21 13:02*	*11/19/21 02:44*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*11/17/21 13:02*	*11/19/21 02:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*77 - 145*	*11/17/21 13:02*	*11/19/21 02:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/17/21 13:02*	*11/19/21 02:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**85.7**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A10C — Lab Sample ID: 180-130004-21

Date Collected: 11/15/21 09:00 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 88.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.43**		0.015	0.0043	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Acenaphthylene	**0.16**		0.015	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Anthracene	**1.0**		0.015	0.0039	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Benzo[a]anthracene	**1.8**		0.015	0.0068	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2

Client Sample ID: SSHS-IRM5A2-A2-A10C
Date Collected: 11/15/21 09:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-21
Matrix: Solid
Percent Solids: 88.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	1.3		0.015	0.0065	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Benzo[b]fluoranthene	1.6		0.015	0.0037	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Benzo[g,h,i]perylene	0.94		0.015	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Benzo[k]fluoranthene	0.65		0.015	0.0045	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Chrysene	1.7		0.015	0.0083	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Dibenz(a,h)anthracene	0.28		0.015	0.0096	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Dibenzofuran	0.29		0.074	0.028	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
2,4-Dinitrotoluene	ND		0.074	0.045	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Fluoranthene	3.3	E	0.015	0.0040	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Fluorene	0.43		0.015	0.0029	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Hexachlorobenzene	ND		0.015	0.0054	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Hexachlorobutadiene	ND		0.015	0.0044	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Hexachloroethane	ND		0.074	0.027	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Indeno[1,2,3-cd]pyrene	0.89		0.015	0.0075	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
2-Methylphenol	ND		0.074	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Methylphenol, 3 & 4	0.063	J	0.074	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Naphthalene	0.27		0.015	0.0029	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Phenanthrene	3.1	E	0.015	0.0040	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Phenol	ND		0.074	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Pyrene	2.7		0.015	0.0036	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
Pyridine	ND		0.15	0.041	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
2,4,5-Trichlorophenol	ND		0.074	0.026	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2
2,4,6-Trichlorophenol	ND		0.074	0.025	mg/Kg	☼	11/17/21 06:29	11/17/21 17:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*11/17/21 06:29*	*11/17/21 17:15*	*2*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*11/17/21 06:29*	*11/17/21 17:15*	*2*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*11/17/21 06:29*	*11/17/21 17:15*	*2*
Phenol-d5 (Surr)	*72*		*34 - 105*	*11/17/21 06:29*	*11/17/21 17:15*	*2*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*11/17/21 06:29*	*11/17/21 17:15*	*2*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*	*11/17/21 06:29*	*11/17/21 17:15*	*2*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.49		0.075	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Acenaphthylene	0.21		0.075	0.016	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Anthracene	1.1		0.075	0.019	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Benzo[a]anthracene	2.1		0.075	0.034	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Benzo[a]pyrene	1.4		0.075	0.033	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Benzo[b]fluoranthene	1.8		0.075	0.018	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Benzo[g,h,i]perylene	1.1		0.075	0.016	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Benzo[k]fluoranthene	0.71		0.075	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Chrysene	1.8		0.075	0.042	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Dibenz(a,h)anthracene	0.31		0.075	0.048	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Dibenzofuran	0.33	J	0.37	0.14	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
2,4-Dinitrotoluene	ND		0.37	0.22	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
1,4-Dioxane	ND		0.75	0.12	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10

Client Sample ID: SSHS-IRM5A2-A2-A10C

Date Collected: 11/15/21 09:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-21

Matrix: Solid
Percent Solids: 88.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**3.5**		0.075	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Fluorene	**0.48**		0.075	0.015	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Hexachlorobenzene	ND		0.075	0.027	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Hexachlorobutadiene	ND		0.075	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Hexachloroethane	ND		0.37	0.13	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Indeno[1,2,3-cd]pyrene	**0.99**		0.075	0.037	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
2-Methylphenol	ND		0.37	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Methylphenol, 3 & 4	ND		0.37	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Naphthalene	**0.30**		0.075	0.015	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Nitrobenzene	ND		0.75	0.14	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Pentachlorophenol	ND		1.9	0.60	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Phenanthrene	**3.4**		0.075	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Phenol	ND		0.37	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Pyrene	**3.1**		0.075	0.018	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
Pyridine	ND		0.75	0.20	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
2,4,5-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10
2,4,6-Trichlorophenol	ND		0.37	0.12	mg/Kg	☼	11/17/21 06:29	11/17/21 19:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*35 - 105*	*11/17/21 06:29*	*11/17/21 19:05*	*10*
2-Fluorophenol (Surr)	*69*		*32 - 105*	*11/17/21 06:29*	*11/17/21 19:05*	*10*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*11/17/21 06:29*	*11/17/21 19:05*	*10*
Phenol-d5 (Surr)	*74*		*34 - 105*	*11/17/21 06:29*	*11/17/21 19:05*	*10*
Terphenyl-d14 (Surr)	*79*		*20 - 117*	*11/17/21 06:29*	*11/17/21 19:05*	*10*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*11/17/21 06:29*	*11/17/21 19:05*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1248	**5.4**		0.018	0.0044	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1254	**2.2**		0.018	0.0055	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	11/16/21 21:49	11/18/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*11/16/21 21:49*	*11/18/21 19:39*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*11/16/21 21:49*	*11/18/21 19:39*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*11/16/21 21:49*	*11/18/21 19:39*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*11/16/21 21:49*	*11/18/21 19:39*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.6**		0.88	0.35	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Barium	**89**		18	0.95	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Beryllium	**0.54**		0.35	0.020	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Cadmium	**0.14**	**J**	0.44	0.032	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1

Client Sample ID: SSHS-IRM5A2-A2-A10C — Lab Sample ID: 180-130004-21

Date Collected: 11/15/21 09:00 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 88.3**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	20		0.44	0.36	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Copper	160		2.2	2.0	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Lead	44		0.88	0.45	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Manganese	510		1.3	0.36	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Nickel	29		3.5	0.22	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Selenium	ND		0.88	0.46	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Silver	ND		0.44	0.093	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1
Zinc	120		1.8	1.4	mg/Kg	☼	11/18/21 10:30	11/19/21 16:58	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.079		0.036	0.023	mg/Kg	☼	11/17/21 07:28	11/18/21 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.7		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	88.3		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:45	1
Cyanide, Total	0.37	J	0.44	0.24	mg/Kg	☼	11/18/21 12:00	11/19/21 15:39	1

Client Sample ID: SSHS-IRM5A2-A2-A11A — Lab Sample ID: 180-130004-22

Date Collected: 11/15/21 10:00 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 84.6**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.025	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Benzene	ND		0.0043	0.0011	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
2-Butanone (MEK)	ND		0.022	0.0016	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Carbon tetrachloride	ND		0.0043	0.0017	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Chlorobenzene	ND		0.0043	0.00076	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Chloroform	ND		0.0043	0.0042	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
cis-1,2-Dichloroethene	ND		0.0043	0.0015	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,2-Dichlorobenzene	ND		0.0043	0.0016	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,3-Dichlorobenzene	ND		0.0043	0.0016	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,4-Dichlorobenzene	ND		0.0043	0.00097	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,1-Dichloroethane	ND		0.0043	0.00089	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,2-Dichloroethane	ND		0.0043	0.0013	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,1-Dichloroethene	ND		0.0043	0.00097	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,4-Dioxane	ND		0.086	0.040	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Ethylbenzene	ND		0.0043	0.00086	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Methylene Chloride	ND		0.0086	0.0049	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Methyl tert-butyl ether	ND		0.0043	0.0022	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
n-Butylbenzene	ND		0.0043	0.0013	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
N-Propylbenzene	ND		0.0043	0.00076	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
sec-Butylbenzene	ND		0.0043	0.0012	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
tert-Butylbenzene	ND		0.0043	0.0012	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Tetrachloroethene	0.0016	J	0.0043	0.0013	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Toluene	ND		0.0043	0.0010	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
trans-1,2-Dichloroethene	ND		0.0043	0.0011	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1

Client Sample ID: SSHS-IRM5A2-A2-A11A

Lab Sample ID: 180-130004-22
Date Collected: 11/15/21 10:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 84.6

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0043	0.0010	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Trichloroethene	**0.0053**		0.0043	0.0014	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0011	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0014	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Vinyl chloride	ND		0.0043	0.0024	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1
Xylenes, Total	ND		0.0086	0.0028	mg/Kg	☼	11/17/21 13:03	11/19/21 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 139*	*11/17/21 13:03*	*11/19/21 10:09*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/17/21 13:03*	*11/19/21 10:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*11/17/21 13:03*	*11/19/21 10:09*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/17/21 13:03*	*11/19/21 10:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.4**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**84.6**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A11B

Lab Sample ID: 180-130004-23
Date Collected: 11/15/21 10:00
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 93.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0059	0.0056	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Benzene	ND		0.00098	0.00025	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
2-Butanone (MEK)	ND		0.0049	0.00036	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Carbon tetrachloride	ND		0.00098	0.00038	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Chlorobenzene	ND		0.00098	0.00017	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Chloroform	ND		0.00098	0.00096	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
cis-1,2-Dichloroethene	ND		0.00098	0.00035	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,2-Dichlorobenzene	ND		0.00098	0.00036	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,3-Dichlorobenzene	ND		0.00098	0.00036	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,4-Dichlorobenzene	ND		0.00098	0.00022	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,1-Dichloroethane	ND		0.00098	0.00020	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,2-Dichloroethane	ND		0.00098	0.00029	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,1-Dichloroethene	ND		0.00098	0.00022	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,4-Dioxane	ND		0.020	0.0090	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Ethylbenzene	ND		0.00098	0.00020	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Methyl tert-butyl ether	ND		0.00098	0.00050	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
n-Butylbenzene	ND		0.00098	0.00029	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
N-Propylbenzene	ND		0.00098	0.00017	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
sec-Butylbenzene	ND		0.00098	0.00028	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
tert-Butylbenzene	ND		0.00098	0.00027	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Tetrachloroethene	ND		0.00098	0.00030	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Toluene	ND		0.00098	0.00023	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
trans-1,2-Dichloroethene	ND		0.00098	0.00024	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,1,1-Trichloroethane	ND		0.00098	0.00023	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Trichloroethene	**0.00073**	**J**	0.00098	0.00032	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1

Client Sample ID: SSHS-IRM5A2-A2-A11B — Lab Sample ID: 180-130004-23

Date Collected: 11/15/21 10:00 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 93.3**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.00098	0.00024	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
1,3,5-Trimethylbenzene	ND		0.00098	0.00031	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Vinyl chloride	ND		0.00098	0.00054	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1
Xylenes, Total	ND		0.0020	0.00063	mg/Kg	☼	11/17/21 13:03	11/19/21 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 13:03*	*11/19/21 03:26*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*11/17/21 13:03*	*11/19/21 03:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 145*	*11/17/21 13:03*	*11/19/21 03:26*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 13:03*	*11/19/21 03:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.7**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**93.3**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A11C — Lab Sample ID: 180-130004-24

Date Collected: 11/15/21 10:10 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 91.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.34**		0.015	0.0042	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Acenaphthylene	**0.10**		0.015	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Anthracene	**0.86**		0.015	0.0038	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Benzo[a]anthracene	**1.8**		0.015	0.0065	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Benzo[a]pyrene	**1.3**		0.015	0.0063	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Benzo[b]fluoranthene	**1.6**		0.015	0.0036	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Benzo[g,h,i]perylene	**0.94**		0.015	0.0031	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Benzo[k]fluoranthene	**0.67**		0.015	0.0043	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Chrysene	**1.6**		0.015	0.0080	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Dibenz(a,h)anthracene	**0.29**		0.015	0.0093	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Dibenzofuran	**0.19**		0.072	0.027	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
2,4-Dinitrotoluene	ND		0.072	0.043	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
1,4-Dioxane	ND		0.14	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Fluoranthene	**3.1**	**E**	0.015	0.0038	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Fluorene	**0.33**		0.015	0.0028	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Hexachlorobenzene	ND		0.015	0.0052	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Hexachlorobutadiene	ND		0.015	0.0042	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Hexachloroethane	ND		0.072	0.026	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Indeno[1,2,3-cd]pyrene	**0.90**		0.015	0.0072	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
2-Methylphenol	ND		0.072	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Methylphenol, 3 & 4	ND		0.072	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Naphthalene	**0.13**		0.015	0.0028	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Nitrobenzene	ND		0.14	0.027	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Pentachlorophenol	ND		0.37	0.12	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Phenanthrene	**2.7**		0.015	0.0039	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Phenol	ND		0.072	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Pyrene	**2.8**		0.015	0.0034	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
Pyridine	ND		0.15	0.039	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2

Client Sample ID: SSHS-IRM5A2-A2-A11C **Lab Sample ID: 180-130004-24**
Date Collected: 11/15/21 10:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 91.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		0.072	0.025	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2
2,4,6-Trichlorophenol	ND		0.072	0.024	mg/Kg	☼	11/17/21 06:29	11/17/21 17:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*11/17/21 06:29*	*11/17/21 17:37*	*2*
2-Fluorophenol (Surr)	*58*		*32 - 105*	*11/17/21 06:29*	*11/17/21 17:37*	*2*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*11/17/21 06:29*	*11/17/21 17:37*	*2*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/17/21 06:29*	*11/17/21 17:37*	*2*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*11/17/21 06:29*	*11/17/21 17:37*	*2*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*11/17/21 06:29*	*11/17/21 17:37*	*2*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.37**		0.073	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Acenaphthylene	**0.11**		0.073	0.016	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Anthracene	**0.90**		0.073	0.019	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Benzo[a]anthracene	**1.9**		0.073	0.033	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Benzo[a]pyrene	**1.4**		0.073	0.031	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Benzo[b]fluoranthene	**1.6**		0.073	0.018	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Benzo[g,h,i]perylene	**1.0**		0.073	0.016	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Benzo[k]fluoranthene	**0.87**		0.073	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Chrysene	**1.7**		0.073	0.040	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Dibenz(a,h)anthracene	**0.32**		0.073	0.046	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Dibenzofuran	**0.20**	**J**	0.36	0.13	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
2,4-Dinitrotoluene	ND		0.36	0.22	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
1,4-Dioxane	ND		0.72	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Fluoranthene	**3.3**		0.073	0.019	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Fluorene	**0.39**		0.073	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Hexachlorobenzene	ND		0.073	0.026	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Hexachlorobutadiene	ND		0.073	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Hexachloroethane	ND		0.36	0.13	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Indeno[1,2,3-cd]pyrene	**0.97**		0.073	0.036	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
2-Methylphenol	ND		0.36	0.10	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Methylphenol, 3 & 4	ND		0.36	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Naphthalene	**0.14**		0.073	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Nitrobenzene	ND		0.72	0.13	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Pentachlorophenol	ND		1.8	0.58	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Phenanthrene	**2.8**		0.073	0.019	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Phenol	ND		0.36	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Pyrene	**3.1**		0.073	0.017	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
Pyridine	ND		0.73	0.20	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
2,4,5-Trichlorophenol	ND		0.36	0.13	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10
2,4,6-Trichlorophenol	ND		0.36	0.12	mg/Kg	☼	11/17/21 06:29	11/17/21 19:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*11/17/21 06:29*	*11/17/21 19:27*	*10*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*11/17/21 06:29*	*11/17/21 19:27*	*10*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*11/17/21 06:29*	*11/17/21 19:27*	*10*
Phenol-d5 (Surr)	*70*		*34 - 105*	*11/17/21 06:29*	*11/17/21 19:27*	*10*
Terphenyl-d14 (Surr)	*74*		*20 - 117*	*11/17/21 06:29*	*11/17/21 19:27*	*10*

Client Sample ID: SSHS-IRM5A2-A2-A11C
Lab Sample ID: 180-130004-24
Date Collected: 11/15/21 10:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 91.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*11/17/21 06:29*	*11/17/21 19:27*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1248	**1.2**		0.018	0.0043	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1254	**0.72**		0.018	0.0054	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	11/16/21 21:49	11/19/21 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*11/16/21 21:49*	*11/19/21 08:28*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*11/16/21 21:49*	*11/19/21 08:28*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*11/16/21 21:49*	*11/19/21 08:28*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*11/16/21 21:49*	*11/19/21 08:28*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.9**		0.87	0.34	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Barium	**61**		17	0.94	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Beryllium	**0.52**		0.35	0.020	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Cadmium	**0.11**	**J**	0.44	0.032	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Chromium	**12**		0.44	0.36	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Copper	**63**		2.2	2.0	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Lead	**25**		0.87	0.45	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Manganese	**580**		1.3	0.36	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Nickel	**24**		3.5	0.22	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Selenium	**0.64**	**J**	0.87	0.45	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Silver	ND		0.44	0.092	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1
Zinc	**89**		1.7	1.4	mg/Kg	☼	11/18/21 10:30	11/19/21 17:03	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.052**		0.029	0.019	mg/Kg	☼	11/17/21 07:28	11/18/21 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**91.4**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	11/22/21 09:59	11/23/21 17:46	1
Cyanide, Total	**0.60**		0.48	0.26	mg/Kg	☼	11/18/21 12:00	11/19/21 15:41	1

Client Sample ID: SSHS-IRM5A2-A2-A12A — Lab Sample ID: 180-130004-25

Date Collected: 11/15/21 10:15 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 90.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.30**		0.0056	0.0054	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Benzene	ND		0.00094	0.00024	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
2-Butanone (MEK)	**0.12**		0.0047	0.00035	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Carbon tetrachloride	ND		0.00094	0.00036	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Chlorobenzene	ND		0.00094	0.00017	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Chloroform	ND		0.00094	0.00091	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
cis-1,2-Dichloroethene	ND		0.00094	0.00034	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,2-Dichlorobenzene	ND		0.00094	0.00034	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,3-Dichlorobenzene	ND		0.00094	0.00034	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,4-Dichlorobenzene	ND		0.00094	0.00021	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,1-Dichloroethane	ND		0.00094	0.00019	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,2-Dichloroethane	ND		0.00094	0.00028	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,1-Dichloroethene	ND		0.00094	0.00021	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,4-Dioxane	ND		0.019	0.0086	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Ethylbenzene	ND		0.00094	0.00019	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Methyl tert-butyl ether	ND		0.00094	0.00048	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
n-Butylbenzene	ND		0.00094	0.00028	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
N-Propylbenzene	ND		0.00094	0.00016	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
sec-Butylbenzene	ND		0.00094	0.00027	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
tert-Butylbenzene	ND		0.00094	0.00026	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Tetrachloroethene	ND		0.00094	0.00029	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Toluene	ND		0.00094	0.00022	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
trans-1,2-Dichloroethene	ND		0.00094	0.00023	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,1,1-Trichloroethane	ND		0.00094	0.00022	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Trichloroethene	**0.00086**	**J**	0.00094	0.00030	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,2,4-Trimethylbenzene	ND		0.00094	0.00023	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
1,3,5-Trimethylbenzene	ND		0.00094	0.00029	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Vinyl chloride	ND		0.00094	0.00051	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1
Xylenes, Total	ND		0.0019	0.00060	mg/Kg	☼	11/17/21 13:04	11/19/21 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/17/21 13:04*	*11/19/21 03:47*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*11/17/21 13:04*	*11/19/21 03:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*11/17/21 13:04*	*11/19/21 03:47*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 13:04*	*11/19/21 03:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**90.5**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A12B — Lab Sample ID: 180-130004-26

Date Collected: 11/15/21 10:15 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 88.9**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0053	0.0050	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Benzene	ND		0.00088	0.00023	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1

Client Sample ID: SSHS-IRM5A2-A2-A12B

Lab Sample ID: 180-130004-26
Date Collected: 11/15/21 10:15
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 88.9

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0044	0.00032	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Carbon tetrachloride	ND		0.00088	0.00034	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Chlorobenzene	ND		0.00088	0.00016	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Chloroform	ND		0.00088	0.00085	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
cis-1,2-Dichloroethene	ND		0.00088	0.00032	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,2-Dichlorobenzene	ND		0.00088	0.00032	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,3-Dichlorobenzene	ND		0.00088	0.00032	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,4-Dichlorobenzene	ND		0.00088	0.00020	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,1-Dichloroethane	ND		0.00088	0.00018	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,2-Dichloroethane	ND		0.00088	0.00026	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,1-Dichloroethene	ND		0.00088	0.00020	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,4-Dioxane	ND		0.018	0.0081	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Ethylbenzene	ND		0.00088	0.00018	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Methylene Chloride	ND		0.0018	0.0010	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Methyl tert-butyl ether	ND		0.00088	0.00045	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
n-Butylbenzene	ND		0.00088	0.00026	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
N-Propylbenzene	ND		0.00088	0.00015	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
sec-Butylbenzene	ND		0.00088	0.00025	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
tert-Butylbenzene	ND		0.00088	0.00024	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Tetrachloroethene	**0.0012**		0.00088	0.00027	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Toluene	ND		0.00088	0.00021	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
trans-1,2-Dichloroethene	ND		0.00088	0.00022	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,1,1-Trichloroethane	ND		0.00088	0.00021	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Trichloroethene	**0.0010**		0.00088	0.00028	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,2,4-Trimethylbenzene	ND		0.00088	0.00022	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
1,3,5-Trimethylbenzene	ND		0.00088	0.00028	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Vinyl chloride	ND		0.00088	0.00048	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1
Xylenes, Total	ND		0.0018	0.00057	mg/Kg	☼	11/17/21 13:05	11/19/21 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*	*11/17/21 13:05*	*11/19/21 04:09*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/17/21 13:05*	*11/19/21 04:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*11/17/21 13:05*	*11/19/21 04:09*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/17/21 13:05*	*11/19/21 04:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**88.9**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A12C

Lab Sample ID: 180-130004-27
Date Collected: 11/15/21 10:20
Matrix: Solid
Date Received: 11/16/21 10:00
Percent Solids: 89.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.45**		0.0074	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Acenaphthylene	**0.044**		0.0074	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Anthracene	**0.97**		0.0074	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Benzo[a]anthracene	**1.3**		0.0074	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1

Client Sample ID: SSHS-IRM5A2-A2-A12C **Lab Sample ID: 180-130004-27**
Date Collected: 11/15/21 10:20 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.85**		0.0074	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Benzo[b]fluoranthene	**1.0**		0.0074	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Benzo[g,h,i]perylene	**0.55**		0.0074	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Benzo[k]fluoranthene	**0.44**		0.0074	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Chrysene	**1.1**		0.0074	0.0041	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Dibenz(a,h)anthracene	**0.20**		0.0074	0.0047	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Dibenzofuran	**0.35**		0.036	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Fluoranthene	**2.3**	**E**	0.0074	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Fluorene	**0.52**		0.0074	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Indeno[1,2,3-cd]pyrene	**0.56**		0.0074	0.0036	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Methylphenol, 3 & 4	**0.045**		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Naphthalene	**0.37**		0.0074	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Phenanthrene	**2.8**	**E**	0.0074	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Pyrene	**1.9**	**E**	0.0074	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*11/17/21 06:29*	*11/17/21 17:59*	*1*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*11/17/21 06:29*	*11/17/21 17:59*	*1*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*11/17/21 06:29*	*11/17/21 17:59*	*1*
Phenol-d5 (Surr)	*65*		*34 - 105*	*11/17/21 06:29*	*11/17/21 17:59*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*11/17/21 06:29*	*11/17/21 17:59*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*11/17/21 06:29*	*11/17/21 17:59*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.53**		0.037	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Acenaphthylene	**0.062**		0.037	0.0080	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Anthracene	**1.1**		0.037	0.0095	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Benzo[a]anthracene	**1.5**		0.037	0.017	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Benzo[a]pyrene	**0.96**		0.037	0.016	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Benzo[b]fluoranthene	**1.1**		0.037	0.0090	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Benzo[g,h,i]perylene	**0.60**		0.037	0.0079	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Benzo[k]fluoranthene	**0.52**		0.037	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Chrysene	**1.3**		0.037	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Dibenz(a,h)anthracene	**0.20**		0.037	0.023	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Dibenzofuran	**0.42**		0.18	0.068	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
1,4-Dioxane	ND		0.37	0.057	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5

Client Sample ID: SSHS-IRM5A2-A2-A12C
Date Collected: 11/15/21 10:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-27
Matrix: Solid
Percent Solids: 89.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**2.7**		0.037	0.0097	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Fluorene	**0.63**		0.037	0.0072	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Hexachlorobenzene	ND		0.037	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Hexachlorobutadiene	ND		0.037	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Hexachloroethane	ND		0.18	0.065	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Indeno[1,2,3-cd]pyrene	**0.61**		0.037	0.018	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
2-Methylphenol	ND		0.18	0.052	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Methylphenol, 3 & 4	ND		0.18	0.054	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Naphthalene	**0.45**		0.037	0.0071	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Nitrobenzene	ND		0.37	0.067	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Pentachlorophenol	ND		0.93	0.29	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Phenanthrene	**3.3**		0.037	0.0098	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Phenol	ND		0.18	0.055	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Pyrene	**2.3**		0.037	0.0087	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
Pyridine	ND		0.37	0.099	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
2,4,5-Trichlorophenol	ND		0.18	0.064	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5
2,4,6-Trichlorophenol	ND		0.18	0.061	mg/Kg	☼	11/17/21 06:29	11/17/21 19:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*11/17/21 06:29*	*11/17/21 19:49*	*5*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*11/17/21 06:29*	*11/17/21 19:49*	*5*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*11/17/21 06:29*	*11/17/21 19:49*	*5*
Phenol-d5 (Surr)	*75*		*34 - 105*	*11/17/21 06:29*	*11/17/21 19:49*	*5*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*11/17/21 06:29*	*11/17/21 19:49*	*5*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*11/17/21 06:29*	*11/17/21 19:49*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1248	**0.17**		0.019	0.0045	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1254	**0.15**		0.019	0.0056	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/16/21 21:49	11/19/21 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*11/16/21 21:49*	*11/19/21 08:46*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*11/16/21 21:49*	*11/19/21 08:46*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*11/16/21 21:49*	*11/19/21 08:46*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*11/16/21 21:49*	*11/19/21 08:46*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.90	0.35	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Barium	**58**		18	0.96	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Beryllium	**0.42**		0.36	0.021	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Cadmium	**0.050**	**J**	0.45	0.033	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1

Client Sample ID: SSHS-IRM5A2-A2-A12C
Lab Sample ID: 180-130004-27
Date Collected: 11/15/21 10:20 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.3**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**11**		0.45	0.37	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Copper	**33**		2.2	2.1	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Lead	**14**		0.90	0.46	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Manganese	**450**		1.3	0.36	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Nickel	**22**		3.6	0.22	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Selenium	ND		0.90	0.46	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Silver	ND		0.45	0.094	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1
Zinc	**63**		1.8	1.4	mg/Kg	☼	11/18/21 10:30	11/19/21 17:08	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.028	0.018	mg/Kg	☼	11/17/21 07:28	11/18/21 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**89.3**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:48	1
Cyanide, Total	ND		0.45	0.24	mg/Kg	☼	11/18/21 12:00	11/19/21 15:47	1

Client Sample ID: SSHS-IRM5A2-A2-A13A
Lab Sample ID: 180-130004-28
Date Collected: 11/15/21 11:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 90.2**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0087**		0.0050	0.0048	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Benzene	ND		0.00083	0.00021	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
2-Butanone (MEK)	ND		0.0042	0.00031	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Carbon tetrachloride	ND		0.00083	0.00032	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Chlorobenzene	ND		0.00083	0.00015	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Chloroform	ND		0.00083	0.00081	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
cis-1,2-Dichloroethene	ND		0.00083	0.00030	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,2-Dichlorobenzene	ND		0.00083	0.00030	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,3-Dichlorobenzene	ND		0.00083	0.00030	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,4-Dichlorobenzene	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,1-Dichloroethane	ND		0.00083	0.00017	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,2-Dichloroethane	ND		0.00083	0.00025	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,1-Dichloroethene	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,4-Dioxane	ND		0.017	0.0076	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Ethylbenzene	ND		0.00083	0.00017	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Methylene Chloride	ND		0.0017	0.00095	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Methyl tert-butyl ether	ND		0.00083	0.00043	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
n-Butylbenzene	ND		0.00083	0.00024	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
N-Propylbenzene	ND		0.00083	0.00015	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
sec-Butylbenzene	ND		0.00083	0.00024	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
tert-Butylbenzene	ND		0.00083	0.00023	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Tetrachloroethene	**0.00096**		0.00083	0.00025	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Toluene	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
trans-1,2-Dichloroethene	ND		0.00083	0.00020	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1

Client Sample ID: SSHS-IRM5A2-A2-A13A
Lab Sample ID: 180-130004-28
Date Collected: 11/15/21 11:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 90.2**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.00083	0.00019	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Trichloroethene	**0.00085**		0.00083	0.00027	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,2,4-Trimethylbenzene	ND		0.00083	0.00020	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
1,3,5-Trimethylbenzene	ND		0.00083	0.00026	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Vinyl chloride	ND		0.00083	0.00045	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1
Xylenes, Total	ND		0.0017	0.00053	mg/Kg	☼	11/17/21 13:06	11/19/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/17/21 13:06*	*11/19/21 16:17*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/17/21 13:06*	*11/19/21 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*11/17/21 13:06*	*11/19/21 16:17*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*	*11/17/21 13:06*	*11/19/21 16:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**90.2**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A13B
Lab Sample ID: 180-130004-29
Date Collected: 11/15/21 11:10 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 91.2**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0055	0.0052	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Benzene	ND		0.00092	0.00024	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
2-Butanone (MEK)	ND		0.0046	0.00034	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Carbon tetrachloride	ND		0.00092	0.00035	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Chlorobenzene	ND		0.00092	0.00016	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Chloroform	ND		0.00092	0.00089	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
cis-1,2-Dichloroethene	ND		0.00092	0.00033	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,2-Dichlorobenzene	ND		0.00092	0.00033	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,3-Dichlorobenzene	ND		0.00092	0.00033	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,4-Dichlorobenzene	ND		0.00092	0.00021	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,1-Dichloroethane	ND		0.00092	0.00019	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,2-Dichloroethane	ND		0.00092	0.00027	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,1-Dichloroethene	ND		0.00092	0.00021	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,4-Dioxane	ND		0.018	0.0084	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Ethylbenzene	ND		0.00092	0.00018	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Methylene Chloride	ND		0.0018	0.0010	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Methyl tert-butyl ether	ND		0.00092	0.00047	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
n-Butylbenzene	ND		0.00092	0.00027	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
N-Propylbenzene	ND		0.00092	0.00016	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
sec-Butylbenzene	ND		0.00092	0.00026	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
tert-Butylbenzene	ND		0.00092	0.00025	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Tetrachloroethene	**0.00091**	**J**	0.00092	0.00028	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Toluene	ND		0.00092	0.00021	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
trans-1,2-Dichloroethene	ND		0.00092	0.00023	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,1,1-Trichloroethane	ND		0.00092	0.00021	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Trichloroethene	**0.0034**		0.00092	0.00029	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1

Client Sample ID: SSHS-IRM5A2-A2-A13B — Lab Sample ID: 180-130004-29

Date Collected: 11/15/21 11:10 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 91.2**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.00092	0.00023	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
1,3,5-Trimethylbenzene	ND		0.00092	0.00029	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Vinyl chloride	ND		0.00092	0.00050	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1
Xylenes, Total	ND		0.0018	0.00059	mg/Kg	☼	11/17/21 13:06	11/19/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/17/21 13:06*	*11/19/21 16:38*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/17/21 13:06*	*11/19/21 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*11/17/21 13:06*	*11/19/21 16:38*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/17/21 13:06*	*11/19/21 16:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**91.2**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-A2-A13C — Lab Sample ID: 180-130004-30

Date Collected: 11/15/21 11:20 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 91.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0061**	**J**	0.0072	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Acenaphthylene	**0.026**		0.0072	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Anthracene	**0.027**		0.0072	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Benzo[a]anthracene	**0.071**		0.0072	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Benzo[a]pyrene	**0.060**		0.0072	0.0031	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Benzo[b]fluoranthene	**0.083**		0.0072	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Benzo[g,h,i]perylene	**0.057**		0.0072	0.0015	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Benzo[k]fluoranthene	**0.028**		0.0072	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Chrysene	**0.081**		0.0072	0.0040	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Dibenz(a,h)anthracene	**0.017**		0.0072	0.0046	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Fluoranthene	**0.12**		0.0072	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Fluorene	**0.0068**	**J**	0.0072	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Indeno[1,2,3-cd]pyrene	**0.050**		0.0072	0.0036	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Methylphenol, 3 & 4	**0.017**	**J**	0.035	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Naphthalene	**0.011**		0.0072	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Phenanthrene	**0.068**		0.0072	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Phenol	ND		0.035	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Pyrene	**0.12**		0.0072	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1

Client Sample ID: SSHS-IRM5A2-A2-A13C
Date Collected: 11/15/21 11:20
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-30
Matrix: Solid
Percent Solids: 91.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*11/17/21 06:29*	*11/17/21 18:21*	*1*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*11/17/21 06:29*	*11/17/21 18:21*	*1*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*	*11/17/21 06:29*	*11/17/21 18:21*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*11/17/21 06:29*	*11/17/21 18:21*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*11/17/21 06:29*	*11/17/21 18:21*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*	*11/17/21 06:29*	*11/17/21 18:21*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1248	**0.12**		0.018	0.0044	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1254	**0.11**		0.018	0.0055	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	11/16/21 21:49	11/18/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*11/16/21 21:49*	*11/18/21 20:36*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*11/16/21 21:49*	*11/18/21 20:36*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*11/16/21 21:49*	*11/18/21 20:36*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*11/16/21 21:49*	*11/18/21 20:36*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.5**		0.76	0.30	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Barium	**52**		15	0.82	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Beryllium	**0.36**		0.30	0.017	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Cadmium	**0.051**	**J**	0.38	0.028	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Chromium	**12**		0.38	0.31	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Copper	**25**		1.9	1.8	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Lead	**110**		0.76	0.39	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Manganese	**420**		1.1	0.31	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Nickel	**25**		3.0	0.19	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Selenium	**0.39**	**J**	0.76	0.39	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Silver	ND		0.38	0.080	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1
Zinc	**57**		1.5	1.2	mg/Kg	☼	11/18/21 10:30	11/19/21 17:12	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.035	0.022	mg/Kg	☼	11/17/21 07:28	11/18/21 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			11/17/21 14:31	1

Client Sample ID: SSHS-IRM5A2-A2-A13C — Lab Sample ID: 180-130004-30

Date Collected: 11/15/21 11:20 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 91.2**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91.3**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	11/22/21 09:59	11/23/21 17:51	1
Cyanide, Total	**0.79**		0.48	0.26	mg/Kg	☼	11/18/21 12:00	11/19/21 15:48	1

Client Sample ID: SSHS-IRM5A2-DUP7A — Lab Sample ID: 180-130004-31

Date Collected: 11/15/21 00:00 — **Matrix: Solid**
Date Received: 11/16/21 10:00 — **Percent Solids: 87.4**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0070	0.0067	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Benzene	ND		0.0012	0.00030	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
2-Butanone (MEK)	ND		0.0059	0.00043	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Carbon tetrachloride	ND		0.0012	0.00045	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Chlorobenzene	ND		0.0012	0.00021	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Chloroform	ND		0.0012	0.0011	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
cis-1,2-Dichloroethene	ND		0.0012	0.00042	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,2-Dichlorobenzene	ND		0.0012	0.00042	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,3-Dichlorobenzene	ND		0.0012	0.00043	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,4-Dichlorobenzene	ND		0.0012	0.00026	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,1-Dichloroethane	ND		0.0012	0.00024	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,2-Dichloroethane	ND		0.0012	0.00035	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,1-Dichloroethene	ND		0.0012	0.00026	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,4-Dioxane	ND		0.023	0.011	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Ethylbenzene	ND		0.0012	0.00023	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Methylene Chloride	ND		0.0023	0.0013	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Methyl tert-butyl ether	ND		0.0012	0.00060	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
n-Butylbenzene	ND		0.0012	0.00035	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
N-Propylbenzene	ND		0.0012	0.00021	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
sec-Butylbenzene	ND		0.0012	0.00034	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
tert-Butylbenzene	ND		0.0012	0.00032	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Tetrachloroethene	**0.00063**	**J**	0.0012	0.00036	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Toluene	ND		0.0012	0.00027	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
trans-1,2-Dichloroethene	ND		0.0012	0.00029	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,1,1-Trichloroethane	**0.0011**	**J**	0.0012	0.00027	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Trichloroethene	**0.0055**		0.0012	0.00038	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,2,4-Trimethylbenzene	ND		0.0012	0.00029	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
1,3,5-Trimethylbenzene	ND		0.0012	0.00037	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Vinyl chloride	ND		0.0012	0.00064	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1
Xylenes, Total	ND		0.0023	0.00075	mg/Kg	☼	11/17/21 13:07	11/19/21 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 13:07*	*11/19/21 22:12*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*	*11/17/21 13:07*	*11/19/21 22:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*	*11/17/21 13:07*	*11/19/21 22:12*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*11/17/21 13:07*	*11/19/21 22:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.6**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-DUP7A

Lab Sample ID: 180-130004-31
Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 87.4**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.4**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-DUP7B

Lab Sample ID: 180-130004-32
Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/16/21 10:00 **Percent Solids: 89.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0055	0.0052	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Benzene	ND		0.00091	0.00024	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
2-Butanone (MEK)	ND		0.0046	0.00034	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Carbon tetrachloride	ND		0.00091	0.00035	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Chlorobenzene	ND		0.00091	0.00016	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Chloroform	ND		0.00091	0.00089	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
cis-1,2-Dichloroethene	ND		0.00091	0.00033	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,2-Dichlorobenzene	ND		0.00091	0.00033	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,3-Dichlorobenzene	ND		0.00091	0.00033	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,4-Dichlorobenzene	ND		0.00091	0.00021	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,1-Dichloroethane	ND		0.00091	0.00019	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,2-Dichloroethane	ND		0.00091	0.00027	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,1-Dichloroethene	ND		0.00091	0.00021	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,4-Dioxane	ND		0.018	0.0084	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Ethylbenzene	ND		0.00091	0.00018	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Methylene Chloride	ND		0.0018	0.0010	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Methyl tert-butyl ether	ND		0.00091	0.00047	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
n-Butylbenzene	ND		0.00091	0.00027	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
N-Propylbenzene	ND		0.00091	0.00016	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
sec-Butylbenzene	ND		0.00091	0.00026	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
tert-Butylbenzene	ND		0.00091	0.00025	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Tetrachloroethene	ND		0.00091	0.00028	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Toluene	ND		0.00091	0.00021	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
trans-1,2-Dichloroethene	ND		0.00091	0.00022	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,1,1-Trichloroethane	**0.00027**	**J**	0.00091	0.00021	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Trichloroethene	**0.0019**		0.00091	0.00029	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,2,4-Trimethylbenzene	ND		0.00091	0.00022	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
1,3,5-Trimethylbenzene	ND		0.00091	0.00029	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Vinyl chloride	ND		0.00091	0.00050	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1
Xylenes, Total	ND		0.0018	0.00059	mg/Kg	☼	11/17/21 13:08	11/19/21 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/17/21 13:08*	*11/19/21 22:34*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/17/21 13:08*	*11/19/21 22:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*11/17/21 13:08*	*11/19/21 22:34*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*11/17/21 13:08*	*11/19/21 22:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		1.0	1.0	%			11/19/21 09:38	1
Percent Solids	**89.5**		1.0	1.0	%			11/19/21 09:38	1

Client Sample ID: SSHS-IRM5A2-DUP7C
Date Collected: 11/15/21 00:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-33
Matrix: Solid
Percent Solids: 89.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.061**		0.0074	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Acenaphthylene	**0.13**		0.0074	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Anthracene	**0.21**		0.0074	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Benzo[a]anthracene	**0.54**		0.0074	0.0033	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Benzo[a]pyrene	**0.44**		0.0074	0.0032	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Benzo[b]fluoranthene	**0.55**		0.0074	0.0018	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Benzo[g,h,i]perylene	**0.37**		0.0074	0.0016	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Benzo[k]fluoranthene	**0.22**		0.0074	0.0022	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Chrysene	**0.55**		0.0074	0.0041	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Dibenz(a,h)anthracene	**0.12**		0.0074	0.0047	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Dibenzofuran	**0.037**		0.036	0.014	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Fluoranthene	**0.83**		0.0074	0.0019	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Fluorene	**0.060**		0.0074	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Indeno[1,2,3-cd]pyrene	**0.35**		0.0074	0.0037	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Methylphenol, 3 & 4	**0.033**	**J**	0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Naphthalene	**0.062**		0.0074	0.0014	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Phenanthrene	**0.54**		0.0074	0.0020	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Phenol	ND		0.036	0.011	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Pyrene	**0.77**		0.0074	0.0017	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	11/17/21 06:29	11/17/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*11/17/21 06:29*	*11/17/21 18:43*	*1*
2-Fluorophenol (Surr)	*53*		*32 - 105*	*11/17/21 06:29*	*11/17/21 18:43*	*1*
Nitrobenzene-d5 (Surr)	*62*		*34 - 109*	*11/17/21 06:29*	*11/17/21 18:43*	*1*
Phenol-d5 (Surr)	*59*		*34 - 105*	*11/17/21 06:29*	*11/17/21 18:43*	*1*
Terphenyl-d14 (Surr)	*58*		*20 - 117*	*11/17/21 06:29*	*11/17/21 18:43*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 119*	*11/17/21 06:29*	*11/17/21 18:43*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1248	**5.5**		0.018	0.0044	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1254	**2.4**		0.018	0.0055	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1260	ND		0.018	0.0053	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	11/16/21 21:49	11/18/21 20:55	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Client Sample ID: SSHS-IRM5A2-DUP7C

Date Collected: 11/15/21 00:00
Date Received: 11/16/21 10:00

Lab Sample ID: 180-130004-33

Matrix: Solid
Percent Solids: 89.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*11/16/21 21:49*	*11/18/21 20:55*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*11/16/21 21:49*	*11/18/21 20:55*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*11/16/21 21:49*	*11/18/21 20:55*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*11/16/21 21:49*	*11/18/21 20:55*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.6**		1.1	0.41	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Barium	**70**		21	1.1	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Beryllium	**0.45**		0.42	0.024	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Cadmium	**0.12**	**J**	0.53	0.039	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Chromium	**13**		0.53	0.44	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Copper	**100**		2.6	2.4	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Lead	**34**		1.1	0.54	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Manganese	**340**		1.6	0.43	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Nickel	**21**		4.2	0.26	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Selenium	ND		1.1	0.55	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Silver	ND		0.53	0.11	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1
Zinc	**110**		2.1	1.7	mg/Kg	☼	11/18/21 10:30	11/19/21 17:17	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.094**		0.028	0.018	mg/Kg	☼	11/17/21 07:28	11/18/21 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		0.1	0.1	%			11/17/21 14:31	1
Percent Solids	**89.1**		0.1	0.1	%			11/17/21 14:31	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:52	1
Cyanide, Total	**0.25**	**J**	0.45	0.24	mg/Kg	☼	11/18/21 12:00	11/19/21 15:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-814082/9
Matrix: Solid
Analysis Batch: 814082

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/18/21 20:58	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/18/21 20:58	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/18/21 20:58	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/18/21 20:58	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/18/21 20:58	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/18/21 20:58	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/18/21 20:58	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/18/21 20:58	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/18/21 20:58	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/18/21 20:58	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/18/21 20:58	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/18/21 20:58	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/18/21 20:58	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/18/21 20:58	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/18/21 20:58	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/18/21 20:58	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/18/21 20:58	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/18/21 20:58	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/18/21 20:58	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/18/21 20:58	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/18/21 20:58	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/18/21 20:58	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/18/21 20:58	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/18/21 20:58	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/18/21 20:58	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/18/21 20:58	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/18/21 20:58	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/18/21 20:58	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/18/21 20:58	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/18/21 20:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*		*11/18/21 20:58*	*1*
Dibromofluoromethane (Surr)	*98*		*48 - 150*		*11/18/21 20:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*		*11/18/21 20:58*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/18/21 20:58*	*1*

Lab Sample ID: LCS 460-814082/4
Matrix: Solid
Analysis Batch: 814082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0779		mg/Kg		78	63 - 131
Benzene	0.0200	0.0182		mg/Kg		91	80 - 123
2-Butanone (MEK)	0.100	0.0835		mg/Kg		83	75 - 120
Carbon tetrachloride	0.0200	0.0185		mg/Kg		93	72 - 136
Chlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120
Chloroform	0.0200	0.0176		mg/Kg		88	79 - 126

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814082/4
Matrix: Solid
Analysis Batch: 814082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0200	0.0175		mg/Kg		87	80 - 123
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,3-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120
1,1-Dichloroethane	0.0200	0.0180		mg/Kg		90	76 - 129
1,2-Dichloroethane	0.0200	0.0170		mg/Kg		85	70 - 132
1,1-Dichloroethene	0.0200	0.0184		mg/Kg		92	77 - 132
1,4-Dioxane	0.400	0.335		mg/Kg		84	73 - 136
Ethylbenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Methylene Chloride	0.0200	0.0183		mg/Kg		92	76 - 127
Methyl tert-butyl ether	0.0200	0.0179		mg/Kg		89	80 - 125
n-Butylbenzene	0.0200	0.0200		mg/Kg		100	77 - 123
N-Propylbenzene	0.0200	0.0204		mg/Kg		102	78 - 120
sec-Butylbenzene	0.0200	0.0198		mg/Kg		99	78 - 120
tert-Butylbenzene	0.0200	0.0198		mg/Kg		99	76 - 120
Tetrachloroethene	0.0200	0.0191		mg/Kg		96	78 - 123
Toluene	0.0200	0.0180		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		95	78 - 128
1,1,1-Trichloroethane	0.0200	0.0177		mg/Kg		88	78 - 132
Trichloroethene	0.0200	0.0179		mg/Kg		90	79 - 120
1,2,4-Trimethylbenzene	0.0200	0.0193		mg/Kg		96	79 - 120
1,3,5-Trimethylbenzene	0.0200	0.0192		mg/Kg		96	79 - 120
Vinyl chloride	0.0200	0.0198		mg/Kg		99	56 - 147
Xylenes, Total	0.0400	0.0369		mg/Kg		92	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 139*
Dibromofluoromethane (Surr)	*94*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 460-814082/5
Matrix: Solid
Analysis Batch: 814082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.100	0.0791		mg/Kg		79	63 - 131	2	30
Benzene	0.0200	0.0177		mg/Kg		88	80 - 123	3	30
2-Butanone (MEK)	0.100	0.0816		mg/Kg		82	75 - 120	2	30
Carbon tetrachloride	0.0200	0.0179		mg/Kg		90	72 - 136	3	30
Chlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	1	30
Chloroform	0.0200	0.0172		mg/Kg		86	79 - 126	2	30
cis-1,2-Dichloroethene	0.0200	0.0180		mg/Kg		90	80 - 123	3	30
1,2-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	2	30
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120	1	30
1,1-Dichloroethane	0.0200	0.0179		mg/Kg		89	76 - 129	1	30
1,2-Dichloroethane	0.0200	0.0167		mg/Kg		84	70 - 132	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814082/5
Matrix: Solid
Analysis Batch: 814082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0190		mg/Kg		95	77 - 132	3	30
1,4-Dioxane	0.400	0.403		mg/Kg		101	73 - 136	18	30
Ethylbenzene	0.0200	0.0180		mg/Kg		90	80 - 120	4	30
Methylene Chloride	0.0200	0.0180		mg/Kg		90	76 - 127	2	30
Methyl tert-butyl ether	0.0200	0.0179		mg/Kg		89	80 - 125	0	30
n-Butylbenzene	0.0200	0.0199		mg/Kg		99	77 - 123	0	30
N-Propylbenzene	0.0200	0.0195		mg/Kg		97	78 - 120	5	30
sec-Butylbenzene	0.0200	0.0188		mg/Kg		94	78 - 120	5	30
tert-Butylbenzene	0.0200	0.0187		mg/Kg		94	76 - 120	6	30
Tetrachloroethene	0.0200	0.0185		mg/Kg		93	78 - 123	3	30
Toluene	0.0200	0.0178		mg/Kg		89	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	78 - 128	1	30
1,1,1-Trichloroethane	0.0200	0.0177		mg/Kg		88	78 - 132	0	30
Trichloroethene	0.0200	0.0179		mg/Kg		89	79 - 120	0	30
1,2,4-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	79 - 120	3	30
1,3,5-Trimethylbenzene	0.0200	0.0186		mg/Kg		93	79 - 120	3	30
Vinyl chloride	0.0200	0.0172		mg/Kg		86	56 - 147	14	30
Xylenes, Total	0.0400	0.0367		mg/Kg		92	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 139*
Dibromofluoromethane (Surr)	*97*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 145*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 460-814173/7
Matrix: Solid
Analysis Batch: 814173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/19/21 09:26	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/19/21 09:26	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/19/21 09:26	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/19/21 09:26	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/19/21 09:26	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/19/21 09:26	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/19/21 09:26	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/19/21 09:26	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/19/21 09:26	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/19/21 09:26	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/19/21 09:26	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/19/21 09:26	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/19/21 09:26	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/19/21 09:26	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/19/21 09:26	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/19/21 09:26	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/19/21 09:26	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/19/21 09:26	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-814173/7
Matrix: Solid
Analysis Batch: 814173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/19/21 09:26	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/19/21 09:26	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/19/21 09:26	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/19/21 09:26	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/19/21 09:26	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/19/21 09:26	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/19/21 09:26	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/19/21 09:26	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/19/21 09:26	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/19/21 09:26	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/19/21 09:26	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/19/21 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*70 - 139*		*11/19/21 09:26*	*1*
Dibromofluoromethane (Surr)	*114*		*48 - 150*		*11/19/21 09:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 145*		*11/19/21 09:26*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*11/19/21 09:26*	*1*

Lab Sample ID: LCS 460-814173/3
Matrix: Solid
Analysis Batch: 814173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0900		mg/Kg		90	63 - 131
Benzene	0.0200	0.0198		mg/Kg		99	80 - 123
2-Butanone (MEK)	0.100	0.0827		mg/Kg		83	75 - 120
Carbon tetrachloride	0.0200	0.0210		mg/Kg		105	72 - 136
Chlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120
Chloroform	0.0200	0.0195		mg/Kg		98	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		99	80 - 123
1,2-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
1,3-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
1,4-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
1,1-Dichloroethane	0.0200	0.0198		mg/Kg		99	76 - 129
1,2-Dichloroethane	0.0200	0.0181		mg/Kg		91	70 - 132
1,1-Dichloroethene	0.0200	0.0218		mg/Kg		109	77 - 132
1,4-Dioxane	0.400	0.435		mg/Kg		109	73 - 136
Ethylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Methylene Chloride	0.0200	0.0194		mg/Kg		97	76 - 127
Methyl tert-butyl ether	0.0200	0.0192		mg/Kg		96	80 - 125
n-Butylbenzene	0.0200	0.0220		mg/Kg		110	77 - 123
N-Propylbenzene	0.0200	0.0217		mg/Kg		108	78 - 120
sec-Butylbenzene	0.0200	0.0207		mg/Kg		103	78 - 120
tert-Butylbenzene	0.0200	0.0204		mg/Kg		102	76 - 120
Tetrachloroethene	0.0200	0.0211		mg/Kg		106	78 - 123
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0209		mg/Kg		105	78 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814173/3
Matrix: Solid
Analysis Batch: 814173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0200	0.0205		mg/Kg		103	78 - 132		
Trichloroethene			0.0200	0.0202		mg/Kg		101	79 - 120		
1,2,4-Trimethylbenzene			0.0200	0.0202		mg/Kg		101	79 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0205		mg/Kg		103	79 - 120		
Vinyl chloride			0.0200	0.0279		mg/Kg		139	56 - 147		
Xylenes, Total			0.0400	0.0386		mg/Kg		97	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 460-814173/4
Matrix: Solid
Analysis Batch: 814173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.100	0.0839		mg/Kg		84	63 - 131	7	30
Benzene			0.0200	0.0200		mg/Kg		100	80 - 123	1	30
2-Butanone (MEK)			0.100	0.0942		mg/Kg		94	75 - 120	13	30
Carbon tetrachloride			0.0200	0.0196		mg/Kg		98	72 - 136	7	30
Chlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120	1	30
Chloroform			0.0200	0.0188		mg/Kg		94	79 - 126	3	30
cis-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	80 - 123	2	30
1,2-Dichlorobenzene			0.0200	0.0197		mg/Kg		98	80 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0205		mg/Kg		102	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	2	30
1,1-Dichloroethane			0.0200	0.0192		mg/Kg		96	76 - 129	3	30
1,2-Dichloroethane			0.0200	0.0183		mg/Kg		91	70 - 132	1	30
1,1-Dichloroethene			0.0200	0.0211		mg/Kg		105	77 - 132	3	30
1,4-Dioxane			0.400	0.467		mg/Kg		117	73 - 136	7	30
Ethylbenzene			0.0200	0.0200		mg/Kg		100	80 - 120	2	30
Methylene Chloride			0.0200	0.0196		mg/Kg		98	76 - 127	1	30
Methyl tert-butyl ether			0.0200	0.0189		mg/Kg		95	80 - 125	2	30
n-Butylbenzene			0.0200	0.0211		mg/Kg		106	77 - 123	4	30
N-Propylbenzene			0.0200	0.0215		mg/Kg		107	78 - 120	1	30
sec-Butylbenzene			0.0200	0.0206		mg/Kg		103	78 - 120	0	30
tert-Butylbenzene			0.0200	0.0207		mg/Kg		103	76 - 120	1	30
Tetrachloroethene			0.0200	0.0209		mg/Kg		104	78 - 123	1	30
Toluene			0.0200	0.0196		mg/Kg		98	80 - 120	0	30
trans-1,2-Dichloroethene			0.0200	0.0209		mg/Kg		104	78 - 128	0	30
1,1,1-Trichloroethane			0.0200	0.0187		mg/Kg		94	78 - 132	9	30
Trichloroethene			0.0200	0.0193		mg/Kg		97	79 - 120	4	30
1,2,4-Trimethylbenzene			0.0200	0.0206		mg/Kg		103	79 - 120	2	30
1,3,5-Trimethylbenzene			0.0200	0.0202		mg/Kg		101	79 - 120	2	30
Vinyl chloride			0.0200	0.0219		mg/Kg		110	56 - 147	24	30
Xylenes, Total			0.0400	0.0399		mg/Kg		100	80 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814173/4
Matrix: Solid
Analysis Batch: 814173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*97*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-814329/8
Matrix: Solid
Analysis Batch: 814329

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/19/21 20:47	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/19/21 20:47	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/19/21 20:47	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/19/21 20:47	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/19/21 20:47	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/19/21 20:47	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/19/21 20:47	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/19/21 20:47	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/19/21 20:47	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/19/21 20:47	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/19/21 20:47	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/19/21 20:47	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/19/21 20:47	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/19/21 20:47	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/19/21 20:47	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/19/21 20:47	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/19/21 20:47	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/19/21 20:47	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/19/21 20:47	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/19/21 20:47	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/19/21 20:47	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/19/21 20:47	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/19/21 20:47	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/19/21 20:47	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/19/21 20:47	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/19/21 20:47	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/19/21 20:47	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/19/21 20:47	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/19/21 20:47	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/19/21 20:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*102*		*70 - 139*		*11/19/21 20:47*	*1*
Dibromofluoromethane (Surr)	*101*		*48 - 150*		*11/19/21 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*		*11/19/21 20:47*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/19/21 20:47*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814329/3
Matrix: Solid
Analysis Batch: 814329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			0.100	0.0852		mg/Kg		85	63 - 131		
Benzene			0.0200	0.0196		mg/Kg		98	80 - 123		
2-Butanone (MEK)			0.100	0.0966		mg/Kg		97	75 - 120		
Carbon tetrachloride			0.0200	0.0191		mg/Kg		96	72 - 136		
Chlorobenzene			0.0200	0.0197		mg/Kg		98	80 - 120		
Chloroform			0.0200	0.0189		mg/Kg		94	79 - 126		
cis-1,2-Dichloroethene			0.0200	0.0186		mg/Kg		93	80 - 123		
1,2-Dichlorobenzene			0.0200	0.0197		mg/Kg		98	80 - 120		
1,3-Dichlorobenzene			0.0200	0.0200		mg/Kg		100	80 - 120		
1,4-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120		
1,1-Dichloroethane			0.0200	0.0192		mg/Kg		96	76 - 129		
1,2-Dichloroethane			0.0200	0.0184		mg/Kg		92	70 - 132		
1,1-Dichloroethene			0.0200	0.0197		mg/Kg		99	77 - 132		
1,4-Dioxane			0.400	0.409		mg/Kg		102	73 - 136		
Ethylbenzene			0.0200	0.0198		mg/Kg		99	80 - 120		
Methylene Chloride			0.0200	0.0200		mg/Kg		100	76 - 127		
Methyl tert-butyl ether			0.0200	0.0192		mg/Kg		96	80 - 125		
n-Butylbenzene			0.0200	0.0214		mg/Kg		107	77 - 123		
N-Propylbenzene			0.0200	0.0219		mg/Kg		109	78 - 120		
sec-Butylbenzene			0.0200	0.0211		mg/Kg		106	78 - 120		
tert-Butylbenzene			0.0200	0.0211		mg/Kg		105	76 - 120		
Tetrachloroethene			0.0200	0.0207		mg/Kg		103	78 - 123		
Toluene			0.0200	0.0195		mg/Kg		97	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0199		mg/Kg		99	78 - 128		
1,1,1-Trichloroethane			0.0200	0.0188		mg/Kg		94	78 - 132		
Trichloroethene			0.0200	0.0190		mg/Kg		95	79 - 120		
1,2,4-Trimethylbenzene			0.0200	0.0208		mg/Kg		104	79 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0208		mg/Kg		104	79 - 120		
Vinyl chloride			0.0200	0.0196		mg/Kg		98	56 - 147		
Xylenes, Total			0.0400	0.0398		mg/Kg		99	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 139*
Dibromofluoromethane (Surr)	*95*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-814329/4
Matrix: Solid
Analysis Batch: 814329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.100	0.0876		mg/Kg		88	63 - 131	3	30
Benzene			0.0200	0.0188		mg/Kg		94	80 - 123	4	30
2-Butanone (MEK)			0.100	0.0853		mg/Kg		85	75 - 120	12	30
Carbon tetrachloride			0.0200	0.0177		mg/Kg		88	72 - 136	8	30
Chlorobenzene			0.0200	0.0189		mg/Kg		94	80 - 120	4	30
Chloroform			0.0200	0.0187		mg/Kg		93	79 - 126	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814329/4
Matrix: Solid
Analysis Batch: 814329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		93	80 - 123	0	30
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120	2	30
1,3-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120	4	30
1,1-Dichloroethane	0.0200	0.0186		mg/Kg		93	76 - 129	3	30
1,2-Dichloroethane	0.0200	0.0175		mg/Kg		87	70 - 132	5	30
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		96	77 - 132	3	30
1,4-Dioxane	0.400	0.477		mg/Kg		119	73 - 136	15	30
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120	4	30
Methylene Chloride	0.0200	0.0191		mg/Kg		95	76 - 127	5	30
Methyl tert-butyl ether	0.0200	0.0185		mg/Kg		92	80 - 125	4	30
n-Butylbenzene	0.0200	0.0206		mg/Kg		103	77 - 123	4	30
N-Propylbenzene	0.0200	0.0205		mg/Kg		102	78 - 120	7	30
sec-Butylbenzene	0.0200	0.0201		mg/Kg		100	78 - 120	5	30
tert-Butylbenzene	0.0200	0.0205		mg/Kg		102	76 - 120	3	30
Tetrachloroethene	0.0200	0.0195		mg/Kg		98	78 - 123	6	30
Toluene	0.0200	0.0186		mg/Kg		93	80 - 120	4	30
trans-1,2-Dichloroethene	0.0200	0.0198		mg/Kg		99	78 - 128	0	30
1,1,1-Trichloroethane	0.0200	0.0179		mg/Kg		89	78 - 132	5	30
Trichloroethene	0.0200	0.0191		mg/Kg		96	79 - 120	1	30
1,2,4-Trimethylbenzene	0.0200	0.0198		mg/Kg		99	79 - 120	5	30
1,3,5-Trimethylbenzene	0.0200	0.0198		mg/Kg		99	79 - 120	5	30
Vinyl chloride	0.0200	0.0183		mg/Kg		92	56 - 147	7	30
Xylenes, Total	0.0400	0.0392		mg/Kg		98	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 139*
Dibromofluoromethane (Surr)	*94*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-379182/1-A
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/17/21 06:29	11/17/21 11:25	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-379182/1-A
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Phenol	ND		0.033	0.010	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
Pyridine	ND		0.067	0.018	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/17/21 06:29	11/17/21 11:25	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/17/21 06:29	11/17/21 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*11/17/21 06:29*	*11/17/21 11:25*	*1*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*11/17/21 06:29*	*11/17/21 11:25*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*11/17/21 06:29*	*11/17/21 11:25*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/17/21 06:29*	*11/17/21 11:25*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*11/17/21 06:29*	*11/17/21 11:25*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*20 - 119*	*11/17/21 06:29*	*11/17/21 11:25*	*1*

Lab Sample ID: LCS 180-379182/2-A
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.559		mg/Kg		84	41 - 100
Acenaphthylene	0.667	0.554		mg/Kg		83	45 - 100
Anthracene	0.667	0.557		mg/Kg		83	47 - 100
Benzo[a]anthracene	0.667	0.586		mg/Kg		88	47 - 100
Benzo[a]pyrene	0.667	0.528		mg/Kg		79	45 - 101
Benzo[b]fluoranthene	0.667	0.512		mg/Kg		77	44 - 100
Benzo[g,h,i]perylene	0.667	0.540		mg/Kg		81	45 - 103
Benzo[k]fluoranthene	0.667	0.480		mg/Kg		72	43 - 100
Chrysene	0.667	0.550		mg/Kg		83	44 - 100
Dibenz(a,h)anthracene	0.667	0.535		mg/Kg		80	46 - 107
Dibenzofuran	0.667	0.540		mg/Kg		81	47 - 100
2,4-Dinitrotoluene	0.667	0.562		mg/Kg		84	48 - 106
1,4-Dioxane	0.667	0.581		mg/Kg		87	10 - 133
Fluoranthene	0.667	0.561		mg/Kg		84	49 - 102
Fluorene	0.667	0.561		mg/Kg		84	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-379182/2-A
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	0.667	0.551		mg/Kg		83	45 - 101
Hexachlorobutadiene	0.667	0.540		mg/Kg		81	38 - 110
Hexachloroethane	0.667	0.551		mg/Kg		83	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.532		mg/Kg		80	48 - 104
2-Methylphenol	0.667	0.597		mg/Kg		90	43 - 101
Methylphenol, 3 & 4	0.667	0.564		mg/Kg		85	43 - 104
Naphthalene	0.667	0.564		mg/Kg		85	43 - 100
Nitrobenzene	0.667	0.556		mg/Kg		83	43 - 107
Pentachlorophenol	1.33	0.920		mg/Kg		69	34 - 112
Phenanthrene	0.667	0.552		mg/Kg		83	46 - 100
Phenol	0.667	0.547		mg/Kg		82	42 - 103
Pyrene	0.667	0.598		mg/Kg		90	44 - 102
Pyridine	1.33	1.14		mg/Kg		86	25 - 109
2,4,5-Trichlorophenol	0.667	0.526		mg/Kg		79	47 - 108
2,4,6-Trichlorophenol	0.667	0.546		mg/Kg		82	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*35 - 105*
2-Fluorophenol (Surr)	*87*		*32 - 105*
Nitrobenzene-d5 (Surr)	*83*		*34 - 109*
Phenol-d5 (Surr)	*86*		*34 - 105*
Terphenyl-d14 (Surr)	*82*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*82*		*20 - 119*

Lab Sample ID: 180-130004-3 MS
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: SSHS-IRM5A2-A2-A4C
Prep Type: Total/NA
Prep Batch: 379182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.774	0.606		mg/Kg	☼	78	41 - 100
Acenaphthylene	ND		0.774	0.606		mg/Kg	☼	78	45 - 100
Anthracene	ND		0.774	0.624		mg/Kg	☼	81	47 - 100
Benzo[a]anthracene	0.0059	J	0.774	0.600		mg/Kg	☼	77	47 - 100
Benzo[a]pyrene	0.0055	J	0.774	0.534		mg/Kg	☼	68	45 - 101
Benzo[b]fluoranthene	0.0078		0.774	0.538		mg/Kg	☼	68	44 - 100
Benzo[g,h,i]perylene	0.0041	J	0.774	0.556		mg/Kg	☼	71	45 - 103
Benzo[k]fluoranthene	0.0036	J	0.774	0.470		mg/Kg	☼	60	43 - 100
Chrysene	0.0071	J	0.774	0.599		mg/Kg	☼	76	44 - 100
Dibenz(a,h)anthracene	ND		0.774	0.564		mg/Kg	☼	73	46 - 107
Dibenzofuran	ND		0.774	0.575		mg/Kg	☼	74	47 - 100
2,4-Dinitrotoluene	ND		0.774	0.582		mg/Kg	☼	75	48 - 106
1,4-Dioxane	ND		0.774	0.281		mg/Kg	☼	36	10 - 133
Fluoranthene	0.0097		0.774	0.564		mg/Kg	☼	72	49 - 102
Fluorene	ND		0.774	0.603		mg/Kg	☼	78	46 - 100
Hexachlorobenzene	ND		0.774	0.628		mg/Kg	☼	81	45 - 101
Hexachlorobutadiene	ND		0.774	0.513		mg/Kg	☼	66	38 - 110
Hexachloroethane	ND		0.774	0.489		mg/Kg	☼	63	40 - 100
Indeno[1,2,3-cd]pyrene	0.0039	J	0.774	0.559		mg/Kg	☼	72	48 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-130004-3 MS
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: SSHS-IRM5A2-A2-A4C
Prep Type: Total/NA
Prep Batch: 379182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	ND		0.774	0.599		mg/Kg	☼	77	43 - 101
Methylphenol, 3 & 4	ND		0.774	0.577		mg/Kg	☼	75	43 - 104
Naphthalene	ND		0.774	0.566		mg/Kg	☼	73	43 - 100
Nitrobenzene	ND		0.774	0.559		mg/Kg	☼	72	43 - 107
Pentachlorophenol	ND		1.55	0.759		mg/Kg	☼	49	34 - 112
Phenanthrene	0.0045	J	0.774	0.617		mg/Kg	☼	79	46 - 100
Phenol	ND		0.774	0.570		mg/Kg	☼	74	42 - 103
Pyrene	0.0099		0.774	0.615		mg/Kg	☼	78	44 - 102
Pyridine	ND		1.55	0.599		mg/Kg	☼	39	25 - 109
2,4,5-Trichlorophenol	ND		0.774	0.593		mg/Kg	☼	77	47 - 108
2,4,6-Trichlorophenol	ND		0.774	0.578		mg/Kg	☼	75	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*69*		*32 - 105*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*
Phenol-d5 (Surr)	*73*		*34 - 105*
Terphenyl-d14 (Surr)	*70*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*

Lab Sample ID: 180-130004-3 MSD
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: SSHS-IRM5A2-A2-A4C
Prep Type: Total/NA
Prep Batch: 379182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.779	0.622		mg/Kg	☼	80	41 - 100	2	22
Acenaphthylene	ND		0.779	0.637		mg/Kg	☼	82	45 - 100	5	23
Anthracene	ND		0.779	0.639		mg/Kg	☼	82	47 - 100	2	26
Benzo[a]anthracene	0.0059	J	0.779	0.642		mg/Kg	☼	82	47 - 100	7	24
Benzo[a]pyrene	0.0055	J	0.779	0.563		mg/Kg	☼	72	45 - 101	5	21
Benzo[b]fluoranthene	0.0078		0.779	0.563		mg/Kg	☼	71	44 - 100	5	26
Benzo[g,h,i]perylene	0.0041	J	0.779	0.582		mg/Kg	☼	74	45 - 103	5	22
Benzo[k]fluoranthene	0.0036	J	0.779	0.487		mg/Kg	☼	62	43 - 100	4	18
Chrysene	0.0071	J	0.779	0.641		mg/Kg	☼	81	44 - 100	7	26
Dibenz(a,h)anthracene	ND		0.779	0.603		mg/Kg	☼	77	46 - 107	7	24
Dibenzofuran	ND		0.779	0.601		mg/Kg	☼	77	47 - 100	4	19
2,4-Dinitrotoluene	ND		0.779	0.621		mg/Kg	☼	80	48 - 106	7	20
1,4-Dioxane	ND		0.779	0.300		mg/Kg	☼	38	10 - 133	6	40
Fluoranthene	0.0097		0.779	0.579		mg/Kg	☼	73	49 - 102	3	26
Fluorene	ND		0.779	0.628		mg/Kg	☼	81	46 - 100	4	22
Hexachlorobenzene	ND		0.779	0.634		mg/Kg	☼	81	45 - 101	1	27
Hexachlorobutadiene	ND		0.779	0.549		mg/Kg	☼	70	38 - 110	7	27
Hexachloroethane	ND		0.779	0.514		mg/Kg	☼	66	40 - 100	5	27
Indeno[1,2,3-cd]pyrene	0.0039	J	0.779	0.577		mg/Kg	☼	74	48 - 104	3	22
2-Methylphenol	ND		0.779	0.625		mg/Kg	☼	80	43 - 101	4	27
Methylphenol, 3 & 4	ND		0.779	0.599		mg/Kg	☼	77	43 - 104	4	24
Naphthalene	ND		0.779	0.606		mg/Kg	☼	78	43 - 100	7	28
Nitrobenzene	ND		0.779	0.581		mg/Kg	☼	75	43 - 107	4	28

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-130004-3 MSD
Matrix: Solid
Analysis Batch: 379195

Client Sample ID: SSHS-IRM5A2-A2-A4C
Prep Type: Total/NA
Prep Batch: 379182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol	ND		1.56	0.790		mg/Kg	☼	51	34 - 112	4	28
Phenanthrene	0.0045	J	0.779	0.614		mg/Kg	☼	78	46 - 100	0	27
Phenol	ND		0.779	0.586		mg/Kg	☼	75	42 - 103	3	30
Pyrene	0.0099		0.779	0.655		mg/Kg	☼	83	44 - 102	6	27
Pyridine	ND		1.56	0.635		mg/Kg	☼	41	25 - 109	6	31
2,4,5-Trichlorophenol	ND		0.779	0.605		mg/Kg	☼	78	47 - 108	2	19
2,4,6-Trichlorophenol	ND		0.779	0.601		mg/Kg	☼	77	47 - 108	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 105*
2-Fluorophenol (Surr)	*75*		*32 - 105*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*
Phenol-d5 (Surr)	*75*		*34 - 105*
Terphenyl-d14 (Surr)	*73*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-379177/1-A
Matrix: Solid
Analysis Batch: 379326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/16/21 21:49	11/18/21 15:14	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/16/21 21:49	11/18/21 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*11/16/21 21:49*	*11/18/21 15:14*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*11/16/21 21:49*	*11/18/21 15:14*	*1*
Tetrachloro-m-xylene (Surr)	*109*	**3*	*55 - 135*	*11/16/21 21:49*	*11/18/21 15:14*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*11/16/21 21:49*	*11/18/21 15:14*	*1*

Lab Sample ID: LCS 180-379177/2-A
Matrix: Solid
Analysis Batch: 379326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	0.912		mg/Kg		68	43 - 136
PCB-1260	1.33	1.06		mg/Kg		79	55 - 128

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-379177/2-A
Matrix: Solid
Analysis Batch: 379326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379177

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-379237/1-A
Matrix: Solid
Analysis Batch: 379680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Barium	ND		20	1.1	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Beryllium	ND		0.40	0.023	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Cadmium	ND		0.50	0.036	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Chromium	ND		0.50	0.41	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Copper	ND		2.5	2.3	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Lead	ND		1.0	0.51	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Manganese	ND		1.5	0.41	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Nickel	ND		4.0	0.25	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Selenium	ND		1.0	0.52	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Silver	ND		0.50	0.11	mg/Kg		11/18/21 10:30	11/19/21 15:33	1
Zinc	ND		2.0	1.6	mg/Kg		11/18/21 10:30	11/19/21 15:33	1

Lab Sample ID: LCS 180-379237/2-A
Matrix: Solid
Analysis Batch: 379680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	102		mg/Kg		102	80 - 120
Barium	100	99.6		mg/Kg		100	80 - 120
Beryllium	50.0	51.1		mg/Kg		102	80 - 120
Cadmium	50.0	49.9		mg/Kg		100	80 - 120
Chromium	50.0	51.0		mg/Kg		102	80 - 120
Copper	50.0	50.5		mg/Kg		101	80 - 120
Lead	50.0	48.9		mg/Kg		98	80 - 120
Manganese	50.0	50.3		mg/Kg		101	80 - 120
Nickel	50.0	49.8		mg/Kg		100	80 - 120
Selenium	100	98.9		mg/Kg		99	80 - 120
Silver	25.0	24.9		mg/Kg		100	80 - 120
Zinc	25.0	25.3		mg/Kg		101	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-379206/1-A
Matrix: Solid
Analysis Batch: 379368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/17/21 07:28	11/18/21 09:04	1

Lab Sample ID: LCS 180-379206/2-A
Matrix: Solid
Analysis Batch: 379368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.429		mg/Kg		103	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-379419/1-A
Matrix: Solid
Analysis Batch: 379656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/18/21 13:42	11/20/21 15:56	1

Lab Sample ID: LCSI 180-379419/3-A
Matrix: Solid
Analysis Batch: 379656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379419

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	729		mg/Kg		103	80 - 120

Lab Sample ID: LCSS 180-379419/2-A
Matrix: Solid
Analysis Batch: 379656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379419

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.1		mg/Kg		91	80 - 120

Lab Sample ID: MB 180-379752/1-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/22/21 09:59	11/23/21 17:24	1

Lab Sample ID: LCSI 180-379752/3-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379752

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	667		mg/Kg		94	80 - 120

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSS 180-379752/2-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379752

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.1		mg/Kg		80	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-379355/4-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379355

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/18/21 12:00	11/19/21 14:59	1

Lab Sample ID: HLCS 180-379355/2-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379355

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.257		mg/Kg		103	90 - 110

Lab Sample ID: LCS 180-379355/3-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	20.4		mg/Kg		88	17 - 163

Lab Sample ID: LLCS 180-379355/1-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379355

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0503		mg/Kg		101	90 - 110

Lab Sample ID: MB 180-379356/4-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/18/21 12:00	11/19/21 15:55	1

Lab Sample ID: HLCS 180-379356/2-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.268		mg/Kg		107	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-379356/3-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	20.5		mg/Kg		89	17 - 163

Lab Sample ID: LLCS 180-379356/1-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0515		mg/Kg		103	90 - 110

Lab Sample ID: 180-130004-33 MS
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: SSHS-IRM5A2-DUP7C
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.25	J	4.68	4.20		mg/Kg	☼	84	75 - 125

Lab Sample ID: 180-130004-33 MSD
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: SSHS-IRM5A2-DUP7C
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.25	J	4.49	3.97		mg/Kg	☼	83	75 - 125	6	20

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130004-1

GC/MS VOA

Prep Batch: 813833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-1	SSHS-IRM5A2-A2-A4A	Total/NA	Solid	5035	
180-130004-2	SSHS-IRM5A2-A2-A4B	Total/NA	Solid	5035	
180-130004-4	SSHS-IRM5A2-A2-A5A	Total/NA	Solid	5035	
180-130004-5	SSHS-IRM5A2-A2-A5B	Total/NA	Solid	5035	
180-130004-7	SSHS-IRM5A2-A2-A6A	Total/NA	Solid	5035	
180-130004-8	SSHS-IRM5A2-A2-A6B	Total/NA	Solid	5035	
180-130004-10	SSHS-IRM5A2-A2-A7A	Total/NA	Solid	5035	
180-130004-11	SSHS-IRM5A2-A2-A7B	Total/NA	Solid	5035	
180-130004-13	SSHS-IRM5A2-A2-A8A	Total/NA	Solid	5035	
180-130004-14	SSHS-IRM5A2-A2-A8B	Total/NA	Solid	5035	
180-130004-16	SSHS-IRM5A2-A2-A9A	Total/NA	Solid	5035	
180-130004-17	SSHS-IRM5A2-A2-A9B	Total/NA	Solid	5035	
180-130004-19	SSHS-IRM5A2-A2-A10A	Total/NA	Solid	5035	
180-130004-20	SSHS-IRM5A2-A2-A10B	Total/NA	Solid	5035	
180-130004-22	SSHS-IRM5A2-A2-A11A	Total/NA	Solid	5035	
180-130004-23	SSHS-IRM5A2-A2-A11B	Total/NA	Solid	5035	
180-130004-25	SSHS-IRM5A2-A2-A12A	Total/NA	Solid	5035	
180-130004-26	SSHS-IRM5A2-A2-A12B	Total/NA	Solid	5035	
180-130004-28	SSHS-IRM5A2-A2-A13A	Total/NA	Solid	5035	
180-130004-29	SSHS-IRM5A2-A2-A13B	Total/NA	Solid	5035	
180-130004-31	SSHS-IRM5A2-DUP7A	Total/NA	Solid	5035	
180-130004-32	SSHS-IRM5A2-DUP7B	Total/NA	Solid	5035	

Analysis Batch: 814082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-1	SSHS-IRM5A2-A2-A4A	Total/NA	Solid	8260D	813833
180-130004-2	SSHS-IRM5A2-A2-A4B	Total/NA	Solid	8260D	813833
180-130004-4	SSHS-IRM5A2-A2-A5A	Total/NA	Solid	8260D	813833
180-130004-5	SSHS-IRM5A2-A2-A5B	Total/NA	Solid	8260D	813833
180-130004-7	SSHS-IRM5A2-A2-A6A	Total/NA	Solid	8260D	813833
180-130004-8	SSHS-IRM5A2-A2-A6B	Total/NA	Solid	8260D	813833
180-130004-10	SSHS-IRM5A2-A2-A7A	Total/NA	Solid	8260D	813833
180-130004-11	SSHS-IRM5A2-A2-A7B	Total/NA	Solid	8260D	813833
180-130004-13	SSHS-IRM5A2-A2-A8A	Total/NA	Solid	8260D	813833
180-130004-14	SSHS-IRM5A2-A2-A8B	Total/NA	Solid	8260D	813833
180-130004-16	SSHS-IRM5A2-A2-A9A	Total/NA	Solid	8260D	813833
180-130004-17	SSHS-IRM5A2-A2-A9B	Total/NA	Solid	8260D	813833
180-130004-19	SSHS-IRM5A2-A2-A10A	Total/NA	Solid	8260D	813833
180-130004-20	SSHS-IRM5A2-A2-A10B	Total/NA	Solid	8260D	813833
180-130004-23	SSHS-IRM5A2-A2-A11B	Total/NA	Solid	8260D	813833
180-130004-25	SSHS-IRM5A2-A2-A12A	Total/NA	Solid	8260D	813833
180-130004-26	SSHS-IRM5A2-A2-A12B	Total/NA	Solid	8260D	813833
MB 460-814082/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-814082/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814082/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 814173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-22	SSHS-IRM5A2-A2-A11A	Total/NA	Solid	8260D	813833
180-130004-28	SSHS-IRM5A2-A2-A13A	Total/NA	Solid	8260D	813833
180-130004-29	SSHS-IRM5A2-A2-A13B	Total/NA	Solid	8260D	813833

GC/MS VOA (Continued)

Analysis Batch: 814173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-814173/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-814173/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814173/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 814329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-31	SSHS-IRM5A2-DUP7A	Total/NA	Solid	8260D	813833
180-130004-32	SSHS-IRM5A2-DUP7B	Total/NA	Solid	8260D	813833
MB 460-814329/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-814329/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814329/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 379182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3541	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	3541	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	3541	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	3541	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	3541	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	3541	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3541	
180-130004-21 - DL	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3541	
180-130004-24 - DL	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3541	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3541	
180-130004-27 - DL	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3541	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3541	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	3541	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	3541	
MB 180-379182/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379182/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-130004-3 MS	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3541	
180-130004-3 MSD	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3541	

Analysis Batch: 379195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-21 - DL	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-24 - DL	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-27 - DL	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 8270D LL	379182

GC/MS Semi VOA (Continued)

Analysis Batch: 379195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-379182/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	379182
LCS 180-379182/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	379182
180-130004-3 MS	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 8270D LL	379182
180-130004-3 MSD	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 8270D LL	379182

GC Semi VOA

Prep Batch: 379177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3541	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	3541	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	3541	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	3541	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	3541	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	3541	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3541	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3541	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3541	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	3541	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	3541	
MB 180-379177/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379177/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 379326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 8082A	379383
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	EPA 8082A	379383
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	EPA 8082A	379383
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	EPA 8082A	379383
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	EPA 8082A	379383
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	EPA 8082A	379383
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 8082A	379383
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 8082A	379383
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 8082A	379383
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	EPA 8082A	379383
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 8082A	379383
MB 180-379177/1-A	Method Blank	Total/NA	Solid	EPA 8082A	379177
LCS 180-379177/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	379177

Cleanup Batch: 379382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3665A	379177
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	3665A	379177
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	3665A	379177
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	3665A	379177
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	3665A	379177
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	3665A	379177
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3665A	379177
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3665A	379177
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3665A	379177
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	3665A	379177

GC Semi VOA (Continued)

Cleanup Batch: 379382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	3665A	379177

Cleanup Batch: 379383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3660B	379382
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	3660B	379382
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	3660B	379382
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	3660B	379382
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	3660B	379382
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	3660B	379382
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3660B	379382
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3660B	379382
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3660B	379382
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	3660B	379382
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	3660B	379382

Metals

Prep Batch: 379206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	7471B	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	7471B	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	7471B	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	7471B	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	7471B	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	7471B	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	7471B	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	7471B	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	7471B	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	7471B	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	7471B	
MB 180-379206/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-379206/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 379237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3050B	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	3050B	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	3050B	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	3050B	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	3050B	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	3050B	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3050B	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3050B	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3050B	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	3050B	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	3050B	
MB 180-379237/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-379237/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals

Analysis Batch: 379368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 7471B	379206
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	EPA 7471B	379206
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	EPA 7471B	379206
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	EPA 7471B	379206
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	EPA 7471B	379206
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	EPA 7471B	379206
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 7471B	379206
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 7471B	379206
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 7471B	379206
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	EPA 7471B	379206
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 7471B	379206
MB 180-379206/1-A	Method Blank	Total/NA	Solid	EPA 7471B	379206
LCS 180-379206/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	379206

Analysis Batch: 379680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 6010C	379237
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	EPA 6010C	379237
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	EPA 6010C	379237
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	EPA 6010C	379237
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	EPA 6010C	379237
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	EPA 6010C	379237
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 6010C	379237
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 6010C	379237
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 6010C	379237
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	EPA 6010C	379237
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 6010C	379237
MB 180-379237/1-A	Method Blank	Total/NA	Solid	EPA 6010C	379237
LCS 180-379237/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	379237

General Chemistry

Analysis Batch: 379294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	2540G	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	2540G	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	2540G	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	2540G	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	2540G	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	2540G	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	2540G	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	2540G	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	2540G	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	2540G	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	2540G	

Prep Batch: 379355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	9010C	
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	9010C	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 379355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	9010C	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	9010C	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	9010C	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	9010C	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	9010C	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	9010C	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	9010C	
MB 180-379355/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-379355/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-379355/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-379355/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 379356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	9010C	
MB 180-379356/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-379356/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-379356/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-379356/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-130004-33 MS	SSHS-IRM5A2-DUP7C	Total/NA	Solid	9010C	
180-130004-33 MSD	SSHS-IRM5A2-DUP7C	Total/NA	Solid	9010C	

Prep Batch: 379419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	3060A	
MB 180-379419/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379419/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379419/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 379656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 7196A	379419
MB 180-379419/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379419
LCSI 180-379419/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379419
LCSS 180-379419/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379419

Analysis Batch: 379751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-3	SSHS-IRM5A2-A2-A4C	Total/NA	Solid	EPA 9014	379355
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	EPA 9014	379355
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	EPA 9014	379355
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	EPA 9014	379355
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	EPA 9014	379355
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	EPA 9014	379355
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 9014	379355
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 9014	379355
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 9014	379355
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	EPA 9014	379355
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 9014	379356
MB 180-379355/4-A	Method Blank	Total/NA	Solid	EPA 9014	379355
MB 180-379356/4-A	Method Blank	Total/NA	Solid	EPA 9014	379356

General Chemistry (Continued)

Analysis Batch: 379751 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 180-379355/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379355
HLCS 180-379356/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379356
LCS 180-379355/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379355
LCS 180-379356/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379356
LLCS 180-379355/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379355
LLCS 180-379356/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379356
180-130004-33 MS	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 9014	379356
180-130004-33 MSD	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 9014	379356

Prep Batch: 379752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	3060A	
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	3060A	
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	3060A	
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	3060A	
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	3060A	
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	3060A	
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	3060A	
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	3060A	
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	3060A	
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	3060A	
MB 180-379752/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379752/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379752/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 380006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-6	SSHS-IRM5A2-A2-A5C	Total/NA	Solid	EPA 7196A	379752
180-130004-9	SSHS-IRM5A2-A2-A6C	Total/NA	Solid	EPA 7196A	379752
180-130004-12	SSHS-IRM5A2-A2-A7C	Total/NA	Solid	EPA 7196A	379752
180-130004-15	SSHS-IRM5A2-A2-A8C	Total/NA	Solid	EPA 7196A	379752
180-130004-18	SSHS-IRM5A2-A2-A9C	Total/NA	Solid	EPA 7196A	379752
180-130004-21	SSHS-IRM5A2-A2-A10C	Total/NA	Solid	EPA 7196A	379752
180-130004-24	SSHS-IRM5A2-A2-A11C	Total/NA	Solid	EPA 7196A	379752
180-130004-27	SSHS-IRM5A2-A2-A12C	Total/NA	Solid	EPA 7196A	379752
180-130004-30	SSHS-IRM5A2-A2-A13C	Total/NA	Solid	EPA 7196A	379752
180-130004-33	SSHS-IRM5A2-DUP7C	Total/NA	Solid	EPA 7196A	379752
MB 180-379752/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379752
LCSI 180-379752/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379752
LCSS 180-379752/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379752

Analysis Batch: 814248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-1	SSHS-IRM5A2-A2-A4A	Total/NA	Solid	Moisture	
180-130004-2	SSHS-IRM5A2-A2-A4B	Total/NA	Solid	Moisture	
180-130004-4	SSHS-IRM5A2-A2-A5A	Total/NA	Solid	Moisture	
180-130004-5	SSHS-IRM5A2-A2-A5B	Total/NA	Solid	Moisture	
180-130004-7	SSHS-IRM5A2-A2-A6A	Total/NA	Solid	Moisture	
180-130004-8	SSHS-IRM5A2-A2-A6B	Total/NA	Solid	Moisture	
180-130004-10	SSHS-IRM5A2-A2-A7A	Total/NA	Solid	Moisture	
180-130004-11	SSHS-IRM5A2-A2-A7B	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 814248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130004-13	SSHS-IRM5A2-A2-A8A	Total/NA	Solid	Moisture	
180-130004-14	SSHS-IRM5A2-A2-A8B	Total/NA	Solid	Moisture	
180-130004-16	SSHS-IRM5A2-A2-A9A	Total/NA	Solid	Moisture	
180-130004-17	SSHS-IRM5A2-A2-A9B	Total/NA	Solid	Moisture	
180-130004-19	SSHS-IRM5A2-A2-A10A	Total/NA	Solid	Moisture	
180-130004-20	SSHS-IRM5A2-A2-A10B	Total/NA	Solid	Moisture	
180-130004-22	SSHS-IRM5A2-A2-A11A	Total/NA	Solid	Moisture	
180-130004-23	SSHS-IRM5A2-A2-A11B	Total/NA	Solid	Moisture	
180-130004-25	SSHS-IRM5A2-A2-A12A	Total/NA	Solid	Moisture	
180-130004-26	SSHS-IRM5A2-A2-A12B	Total/NA	Solid	Moisture	
180-130004-28	SSHS-IRM5A2-A2-A13A	Total/NA	Solid	Moisture	
180-130004-29	SSHS-IRM5A2-A2-A13B	Total/NA	Solid	Moisture	
180-130004-31	SSHS-IRM5A2-DUP7A	Total/NA	Solid	Moisture	
180-130004-32	SSHS-IRM5A2-DUP7B	Total/NA	Solid	Moisture	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A4A	11/15/21	0930	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A4B	11/15/21	0935	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A4C	11/13/21	12:00	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A5A	11/15/21	0940	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A5B	11/15/21	0945	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A5C	11/13/21	12:10	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A6A	11/15/21	0950	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A6B	11/15/21	0955	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A6C	11/13/21	13:20	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A7A	11/15/21	1000	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A7B	11/15/21	1005	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A7C	11/13/21	14:10	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/15/21 16:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1000	Company EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-130004 Chain of Custody

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A8A	11/15/21	1010	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A8B	11/15/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A8C	11/13/21	14:20	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A9A	11/15/21	1020	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A9B	11/15/21	1025	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A9C	11/13/21	14:45	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A10A	11/15/21	0850	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A10B	11/15/21	0850	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A10C	11/15/21	0900	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A11A	11/15/21	1000	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A11B	11/15/21	1000	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A11C	11/15/21	1010	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
		11/15/21 16:00			11/16/21 1000	EDA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A12A	11/15/21	1015	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A12B	11/15/21	1015	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A12C	11/13/21	1020	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A13A	11/15/21	1110	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A13B	11/15/21	1110	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A13C	11/15/21	1120	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP7A	11/15/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP7B	11/15/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP7C	11/15/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/15/21 14:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

180-130004 Chain of Custody

H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A4A	11/15/21	0930	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A4B	11/15/21	0935	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A4C	11/13/21	12:00	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A5A	11/15/21	0940	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A5B	11/15/21	0945	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A5C	11/13/21	12:10	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A6A	11/15/21	0950	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A6B	11/15/21	0955	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A6C	11/13/21	13:20	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A7A	11/15/21	1000	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A7B	11/15/21	1005	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A7C	11/13/21	14:10	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 11/15/21/16:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1030	Company: BETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: X Yes Δ No | Custody Seal No.: 177144 | Cooler Temperature(s) °C and Other Remarks: 2.6

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A12A	11/15/21	1015	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A12B	11/15/21	1015	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A12C	11/13/21	1020	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A13A	11/15/21	1110	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A13B	11/15/21	1110	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A13C	11/15/21	1120	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-DUP7A	11/15/21		G	S	N	N	X								4	
SSHS-IRM5A2-DUP7B	11/15/21		G	S	N	N	X								4	
SSHS-IRM5A2-DUP7C	11/15/21		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/15/21 16:00	Company: Geosyntec	Received by:	Date/Time: 11/16/21 1035	Company: EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 171144	Cooler Temperature(s) °C and Other Remarks: 2.6

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis F		Job #: 180-130004
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

SHORT HOLD

180-130004 Chain of Custody

J - DI Water; K - EDTA; L - EDA; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A4A	11/15/21	0930	G	S	N	N	X											1	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A4B	11/15/21	0935	G	S	N	N	X											2	4	
SSHS-IRM5A2-A2-A4C	11/13/21	12:00	C	S	N	N		X	X	X	X	X	X	X				3	5	
SSHS-IRM5A2-A2-A5A	11/15/21	0940	G	S	N	N	X											4	4	
SSHS-IRM5A2-A2-A5B	11/15/21	0945	G	S	N	N	X											5	4	
SSHS-IRM5A2-A2-A5C	11/13/21	12:10	C	S	N	N		X	X	X	X	X	X	X				6	5	
SSHS-IRM5A2-A2-A6A	11/15/21	0950	G	S	N	N	X											7	4	
SSHS-IRM5A2-A2-A6B	11/15/21	0955	G	S	N	N	X											8	4	
SSHS-IRM5A2-A2-A6C	11/13/21	13:20	C	S	N	N		X	X	X	X	X	X	X				9	5	
SSHS-IRM5A2-A2-A7A	11/15/21	1000	G	S	N	N	X											10	4	
SSHS-IRM5A2-A2-A7B	11/15/21	1005	G	S	N	N	X											11	4	
SSHS-IRM5A2-A2-A7C	11/13/21	14:10	C	S	N	N		X	X	X	X	X	X	X				12	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/15/21 16:00	Geosyntec	VIA Fedex	11/16/21 11:10	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 171127 | Cooler Temperature(s) °C and Other Remarks: ID #9- 3.9=3.4

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #: 180-130004

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	PO #: MN0832I
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	Project #: 18013464
Project Name: Former Sperry Remington Site	SSOW#:
Site:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A8A	11/15/21	1010	G	S	N	N	X											13	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A8B	11/15/21	1015	G	S	N	N	X											14	4	
SSHS-IRM5A2-A2-A8C	11/13/21	14:20	C	S	N	N		X	X	X	X	X	X	X				15	5	
SSHS-IRM5A2-A2-A9A	11/15/21	1020	G	S	N	N	X											16	4	
SSHS-IRM5A2-A2-A9B	11/15/21	1025	G	S	N	N	X											17	4	
SSHS-IRM5A2-A2-A9C	11/13/21	14:45	C	S	N	N		X	X	X	X	X	X	X				18	5	
SSHS-IRM5A2-A2-A10A	11/15/21	0850	G	S	N	N	X											19	4	
SSHS-IRM5A2-A2-A10B	11/15/21	0850	G	S	N	N	X											20	4	
SSHS-IRM5A2-A2-A10C	11/15/21	0900	C	S	N	N		X	X	X	X	X	X	X				21	5	
SSHS-IRM5A2-A2-A11A	11/15/21	1000	G	S	N	N	X											22	4	
SSHS-IRM5A2-A2-A11B	11/15/21	1000	G	S	N	N	X											23	4	
SSHS-IRM5A2-A2-A11C	11/15/21	1010	C	S	N	N		X	X	X	X	X	X	X				24	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: Via Fedex	Date/Time: 11/16/21 11:10	Company: ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 177127 | Cooler Temperature(s) °C and Other Remarks: ED# 9-3.9=3.9

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #: 180-130004
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A12A	11/15/21	1015	G	S	N	N	X											25	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A12B	11/15/21	1015	G	S	N	N	X											26	4	
SSHS-IRM5A2-A2-A12C	11/13/21	1020	C	S	N	N		X	X	X	X	X	X	X				27	5	
SSHS-IRM5A2-A2-A13A	11/15/21	1110	G	S	N	N	X											28	4	
SSHS-IRM5A2-A2-A13B	11/15/21	1110	G	S	N	N	X											29	4	
SSHS-IRM5A2-A2-A13C	11/15/21	1120	C	S	N	N		X	X	X	X	X	X	X				30	5	
SSHS-IRM5A2-DUP7A	11/15/21		G	S	N	N	X											31	4	
SSHS-IRM5A2-DUP7B	11/15/21		G	S	N	N	X											32	4	
SSHS-IRM5A2-DUP7C	11/15/21		C	S	N	N		X	X	X	X	X	X	X				33	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/15/21/16:00	Company: Geosyntec	Via Fedex	11/16/21/11:10	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 177127 | Cooler Temperature(s) °C and Other Remarks: ID#9-3.9=3.4

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-130004 Field Sheet

Job:__

Tracking # : 7752 1585 5198

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 1-05 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet X Gel _____ Other _____

Cooler Custody Seal: 177144

Cooler ID: _____

Temp Observed: 2.6 °C Corrected: 2.6 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DV Date: 11/16/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☐	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 11-16-21

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 11-16-21

WR3-11A



ORIGIN ID:ELMA (240) 936-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 15NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832I
INV: 01
PO: 28 DEPT: 1751

56DJ29A7EJFE4A

FedEx Express

TUE - 16 NOV 11:30A
PRIORITY OVERNIGHT

TRK# 0201 7752 1585 5195

XW BLUA

95605
CA-US SMF

FedEx Ship Manager - Print Your Label(s)

11/15/21, 4:22 PM

eurofins | Environment Testing TestAmerica

1771144

Seal 11-05-21

Custody DATE SIGNATURE

eurofins | Environment Testing TestAmerica

1771144

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130004-1

Login Number: 130004
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130057-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/24/2021 2:58:39 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130057-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130057-1

Receipt
The samples were received on 11/17/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6º C, 1.8º C and 2.7º C.

GC/MS VOA
Method 8260D: The following samples were analyzed from the medium level, methanol preserved terracore to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A15B (180-130057-5), SSHS-IRM5A2-A2-A16A (180-130057-7) and SSHS-IRM5A2-A2-A16B (180-130057-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A14C (180-130057-3). Elevated reporting limits (RLs) are provided. Results of both undiluted and diluted analyses were reported.

Method 8270D LL: The following samples were diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A15C (180-130057-6) and SSHS-IRM5A2-A2-A17C (180-130057-12). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The following sample was diluted due to the nature of the sample matrix (the sample extract was extremely viscous): SSHS-IRM5A2-A2-A16C (180-130057-9). The surrogates were diluted out and elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A14C (180-130057-3) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A15C (180-130057-6) and SSHS-IRM5A2-A2-A16C (180-130057-9). Elevated reporting limits (RLs) are provided. Sample SSHS-IRM5A2-A2-A16C (180-130057-9) had the surrogates diluted out.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-IRM5A2-A2-A15A (180-130057-4) was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130057-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130057-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130057-1	SSHS-IRM5A2-A2-A14A	Solid	11/16/21 11:15	11/17/21 10:00
180-130057-2	SSHS-IRM5A2-A2-A14B	Solid	11/16/21 11:15	11/17/21 10:00
180-130057-3	SSHS-IRM5A2-A2-A14C	Solid	11/16/21 11:15	11/17/21 10:00
180-130057-4	SSHS-IRM5A2-A2-A15A	Solid	11/16/21 12:00	11/17/21 10:00
180-130057-5	SSHS-IRM5A2-A2-A15B	Solid	11/16/21 12:00	11/17/21 10:00
180-130057-6	SSHS-IRM5A2-A2-A15C	Solid	11/16/21 12:00	11/17/21 10:00
180-130057-7	SSHS-IRM5A2-A2-A16A	Solid	11/16/21 12:30	11/17/21 10:00
180-130057-8	SSHS-IRM5A2-A2-A16B	Solid	11/16/21 12:30	11/17/21 10:00
180-130057-9	SSHS-IRM5A2-A2-A16C	Solid	11/16/21 12:30	11/17/21 10:00
180-130057-10	SSHS-IRM5A2-A2-A17A	Solid	11/16/21 14:30	11/17/21 10:00
180-130057-11	SSHS-IRM5A2-A2-A17B	Solid	11/16/21 14:30	11/17/21 10:00
180-130057-12	SSHS-IRM5A2-A2-A17C	Solid	11/16/21 14:30	11/17/21 10:00
180-130057-13	SSHS-IRM5A2-A2-A18A	Solid	11/16/21 14:45	11/17/21 10:00
180-130057-14	SSHS-IRM5A2-A2-A18B	Solid	11/16/21 14:45	11/17/21 10:00
180-130057-15	SSHS-IRM5A2-A2-A18C	Solid	11/16/21 14:45	11/17/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL EDI
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Client Sample ID: SSHS-IRM5A2-A2-A14A
Lab Sample ID: 180-130057-1
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814552	11/21/21 00:43	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A14A
Lab Sample ID: 180-130057-1
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.115 g	5 mL	814025	11/18/21 08:08	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814565	11/21/21 14:36	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A14B
Lab Sample ID: 180-130057-2
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814552	11/21/21 00:43	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A14B
Lab Sample ID: 180-130057-2
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.508 g	5 mL	814025	11/18/21 08:08	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814565	11/21/21 14:57	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A14C
Lab Sample ID: 180-130057-3
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379384	11/18/21 10:53	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A14C
Lab Sample ID: 180-130057-3
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379450	11/18/21 19:05	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379514	11/19/21 18:24	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Client Sample ID: SSHS-IRM5A2-A2-A14C

Lab Sample ID: 180-130057-3
Date Collected: 11/16/21 11:15
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		15.3 g	0.5 mL	379450	11/18/21 19:05	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL	DL	3			379614	11/20/21 17:44	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	379456	11/19/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379698	11/22/21 07:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379699	11/22/21 07:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379709	11/22/21 19:46	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.29 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:09	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:16	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:57	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	379356	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 16:12	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A15A

Lab Sample ID: 180-130057-4
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814552	11/21/21 00:43	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A15A

Lab Sample ID: 180-130057-4
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.26 g	5 mL	814025	11/18/21 08:09	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814565	11/21/21 15:19	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A15B

Lab Sample ID: 180-130057-5
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Client Sample ID: SSHS-IRM5A2-A2-A15B

Lab Sample ID: 180-130057-5
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.568 g	5 mL	814017	11/18/21 08:00	YXG	TAL EDI
Total/NA	Analysis	8260D		50	5 mL	5 mL	814905	11/23/21 13:21	MZS	TAL EDI
	Instrument ID: CVOAMS12									

Client Sample ID: SSHS-IRM5A2-A2-A15C

Lab Sample ID: 180-130057-6
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379384	11/18/21 10:53	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A15C

Lab Sample ID: 180-130057-6
Date Collected: 11/16/21 12:00
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	379450	11/18/21 19:05	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	379514	11/19/21 19:30	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	379456	11/19/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379698	11/22/21 07:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379699	11/22/21 07:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			379882	11/23/21 09:31	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.32 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:14	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:17	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:58	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	379356	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 16:14	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A16A

Lab Sample ID: 180-130057-7
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Client Sample ID: SSHS-IRM5A2-A2-A16A
Lab Sample ID: 180-130057-7
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.516 g	5 mL	814017	11/18/21 08:00	YXG	TAL EDI
Total/NA	Analysis	8260D		50	5 mL	5 mL	814905	11/23/21 16:45	MZS	TAL EDI
	Instrument ID: CVOAMS12									

Client Sample ID: SSHS-IRM5A2-A2-A16B
Lab Sample ID: 180-130057-8
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A16B
Lab Sample ID: 180-130057-8
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 100.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8 g	5 mL	814017	11/18/21 08:01	YXG	TAL EDI
Total/NA	Analysis	8260D		50	5 mL	5 mL	814905	11/23/21 17:10	MZS	TAL EDI
	Instrument ID: CVOAMS12									

Client Sample ID: SSHS-IRM5A2-A2-A16C
Lab Sample ID: 180-130057-9
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379384	11/18/21 10:53	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A16C
Lab Sample ID: 180-130057-9
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379450	11/18/21 19:05	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		40	1 mL	1 mL	379514	11/19/21 19:52	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	379456	11/19/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379698	11/22/21 07:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379699	11/22/21 07:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		500			379882	11/23/21 09:50	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.14 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:18	RJR	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Client Sample ID: SSHS-IRM5A2-A2-A16C
Lab Sample ID: 180-130057-9
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.71 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:18	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:53	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	379356	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 16:15	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A17A
Lab Sample ID: 180-130057-10
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A17A
Lab Sample ID: 180-130057-10
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.48 g	5 mL	814025	11/18/21 08:12	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814565	11/21/21 15:40	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A17B
Lab Sample ID: 180-130057-11
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A17B
Lab Sample ID: 180-130057-11
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.834 g	5 mL	814025	11/18/21 08:13	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814565	11/21/21 16:02	AAT	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A17C
Lab Sample ID: 180-130057-12
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379384	11/18/21 10:53	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A17C
Lab Sample ID: 180-130057-12
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	379450	11/18/21 19:05	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	379514	11/19/21 20:14	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	379456	11/19/21 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379698	11/22/21 07:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379699	11/22/21 07:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379709	11/22/21 20:43	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.61 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:32	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.87 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:19	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:54	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	379356	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 16:49	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A18A
Lab Sample ID: 180-130057-13
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A18A
Lab Sample ID: 180-130057-13
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.42 g	5 mL	814025	11/18/21 08:14	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814887	11/23/21 09:53	AAT	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A18B
Lab Sample ID: 180-130057-14
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814553	11/21/21 00:45	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A18B
Lab Sample ID: 180-130057-14
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.571 g	5 mL	814025	11/18/21 08:15	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814629	11/21/21 19:14	EMM	TAL EDI
	Instrument ID: CVOAMS2									

Client Sample ID: SSHS-IRM5A2-A2-A18C
Lab Sample ID: 180-130057-15
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379384	11/18/21 10:53	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A18C
Lab Sample ID: 180-130057-15
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	379450	11/18/21 19:05	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	379514	11/19/21 20:36	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	379457	11/19/21 09:20	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379705	11/22/21 07:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379706	11/22/21 07:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379709	11/23/21 01:42	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.56 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:36	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.66 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:20	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	379752	11/22/21 09:59	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 17:56	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	10 mL	379356	11/18/21 12:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			379751	11/19/21 16:51	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL EDI

Batch Type: Prep

YXG = Yong Gao

Batch Type: Analysis

AAT = Audberto Tupayachi
EMM = Eddie Martinez
MIE = Mohab Elnagaa
MZS = Margaret Starzec

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CBY = Charles Yushinski
CMR = Carl Reagle
CSC = Chayce Cockroft
KFS = Kelly Shannon
PMH = Paloma Hoelzle
RJR = Ron Rosenbaum

Batch Type: Analysis

CMR = Carl Reagle
JMO = John Oravec
PMH = Paloma Hoelzle
RJR = Ron Rosenbaum
SNR = Sabra Richart
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A14A
Lab Sample ID: 180-130057-1
Date Collected: 11/16/21 11:15 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 86.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0057	0.0054	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Benzene	ND		0.00095	0.00024	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
2-Butanone (MEK)	ND		0.0047	0.00035	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Carbon tetrachloride	ND		0.00095	0.00037	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Chlorobenzene	ND		0.00095	0.00017	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Chloroform	ND		0.00095	0.00092	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
cis-1,2-Dichloroethene	ND		0.00095	0.00034	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,2-Dichlorobenzene	ND		0.00095	0.00034	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,3-Dichlorobenzene	ND		0.00095	0.00035	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,4-Dichlorobenzene	ND		0.00095	0.00021	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,1-Dichloroethane	ND		0.00095	0.00019	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,2-Dichloroethane	ND		0.00095	0.00028	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,1-Dichloroethene	ND		0.00095	0.00021	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,4-Dioxane	ND		0.019	0.0087	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Ethylbenzene	ND		0.00095	0.00019	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Methyl tert-butyl ether	ND		0.00095	0.00048	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
n-Butylbenzene	ND		0.00095	0.00028	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
N-Propylbenzene	ND		0.00095	0.00017	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
sec-Butylbenzene	ND		0.00095	0.00027	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
tert-Butylbenzene	ND		0.00095	0.00026	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Tetrachloroethene	ND		0.00095	0.00029	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Toluene	ND		0.00095	0.00022	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
trans-1,2-Dichloroethene	ND		0.00095	0.00023	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,1,1-Trichloroethane	ND		0.00095	0.00022	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Trichloroethene	**0.00056**	**J**	0.00095	0.00030	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,2,4-Trimethylbenzene	ND		0.00095	0.00023	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
1,3,5-Trimethylbenzene	ND		0.00095	0.00030	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Vinyl chloride	ND		0.00095	0.00052	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1
Xylenes, Total	ND		0.0019	0.00061	mg/Kg	☼	11/18/21 08:08	11/21/21 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 139*	*11/18/21 08:08*	*11/21/21 14:36*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/18/21 08:08*	*11/21/21 14:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*11/18/21 08:08*	*11/21/21 14:36*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/18/21 08:08*	*11/21/21 14:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		1.0	1.0	%			11/21/21 00:43	1
Percent Solids	**86.5**		1.0	1.0	%			11/21/21 00:43	1

Client Sample ID: SSHS-IRM5A2-A2-A14B
Lab Sample ID: 180-130057-2
Date Collected: 11/16/21 11:15 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 90.4**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0051	0.0049	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Benzene	ND		0.00085	0.00022	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1

Client Sample ID: SSHS-IRM5A2-A2-A14B
Lab Sample ID: 180-130057-2
Date Collected: 11/16/21 11:15 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 90.4**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0043	0.00031	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Carbon tetrachloride	ND		0.00085	0.00033	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Chlorobenzene	ND		0.00085	0.00015	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Chloroform	ND		0.00085	0.00083	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
cis-1,2-Dichloroethene	ND		0.00085	0.00030	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,2-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,3-Dichlorobenzene	ND		0.00085	0.00031	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,4-Dichlorobenzene	ND		0.00085	0.00019	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,1-Dichloroethane	ND		0.00085	0.00018	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,2-Dichloroethane	ND		0.00085	0.00025	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,1-Dichloroethene	ND		0.00085	0.00019	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,4-Dioxane	ND		0.017	0.0078	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Ethylbenzene	ND		0.00085	0.00017	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Methylene Chloride	ND		0.0017	0.00097	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Methyl tert-butyl ether	ND		0.00085	0.00044	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
n-Butylbenzene	ND		0.00085	0.00025	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
N-Propylbenzene	ND		0.00085	0.00015	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
sec-Butylbenzene	ND		0.00085	0.00024	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
tert-Butylbenzene	ND		0.00085	0.00023	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Tetrachloroethene	ND		0.00085	0.00026	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Toluene	ND		0.00085	0.00020	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
trans-1,2-Dichloroethene	ND		0.00085	0.00021	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,1,1-Trichloroethane	ND		0.00085	0.00020	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Trichloroethene	ND		0.00085	0.00027	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,2,4-Trimethylbenzene	ND		0.00085	0.00021	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
1,3,5-Trimethylbenzene	ND		0.00085	0.00027	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Vinyl chloride	ND		0.00085	0.00046	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1
Xylenes, Total	ND		0.0017	0.00055	mg/Kg	☼	11/18/21 08:08	11/21/21 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 139*	*11/18/21 08:08*	*11/21/21 14:57*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/18/21 08:08*	*11/21/21 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*11/18/21 08:08*	*11/21/21 14:57*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/18/21 08:08*	*11/21/21 14:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		1.0	1.0	%			11/21/21 00:43	1
Percent Solids	**90.4**		1.0	1.0	%			11/21/21 00:43	1

Client Sample ID: SSHS-IRM5A2-A2-A14C
Lab Sample ID: 180-130057-3
Date Collected: 11/16/21 11:15 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 87.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.026**		0.0075	0.0022	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Acenaphthylene	**0.29**		0.0075	0.0016	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Anthracene	**0.53**	**F1**	0.0075	0.0019	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Benzo[a]anthracene	**0.92**	**F1**	0.0075	0.0034	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Client Sample ID: SSHS-IRM5A2-A2-A14C
Date Collected: 11/16/21 11:15
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-3
Matrix: Solid
Percent Solids: 87.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.64**	**F1**	0.0075	0.0032	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Benzo[b]fluoranthene	**0.87**	**F1**	0.0075	0.0018	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Benzo[g,h,i]perylene	**0.59**	**F1**	0.0075	0.0016	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Benzo[k]fluoranthene	**0.27**	**F1**	0.0075	0.0022	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Chrysene	**0.76**	**F1**	0.0075	0.0041	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Dibenz(a,h)anthracene	**0.16**		0.0075	0.0048	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Dibenzofuran	**0.052**		0.037	0.014	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Fluoranthene	**1.7**	**E F1**	0.0075	0.0020	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Fluorene	**0.084**		0.0075	0.0015	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Indeno[1,2,3-cd]pyrene	**0.58**	**F1**	0.0075	0.0037	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Naphthalene	**0.094**		0.0075	0.0015	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Phenanthrene	**0.97**	**F1**	0.0075	0.0020	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Pyrene	**1.4**	**F1**	0.0075	0.0018	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
Pyridine	ND	F1	0.075	0.020	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	11/18/21 19:05	11/19/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*35 - 105*	*11/18/21 19:05*	*11/19/21 18:24*	*1*
2-Fluorophenol (Surr)	*57*		*32 - 105*	*11/18/21 19:05*	*11/19/21 18:24*	*1*
Nitrobenzene-d5 (Surr)	*59*		*34 - 109*	*11/18/21 19:05*	*11/19/21 18:24*	*1*
Phenol-d5 (Surr)	*57*		*34 - 105*	*11/18/21 19:05*	*11/19/21 18:24*	*1*
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*11/18/21 19:05*	*11/19/21 18:24*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*	*11/18/21 19:05*	*11/19/21 18:24*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.026**		0.023	0.0065	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Acenaphthylene	**0.16**		0.023	0.0049	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Anthracene	**0.47**		0.023	0.0058	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Benzo[a]anthracene	**1.0**		0.023	0.010	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Benzo[a]pyrene	**0.72**		0.023	0.0097	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Benzo[b]fluoranthene	**1.0**		0.023	0.0055	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Benzo[g,h,i]perylene	**0.53**		0.023	0.0048	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Benzo[k]fluoranthene	**0.33**		0.023	0.0067	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Chrysene	**0.83**		0.023	0.012	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Dibenz(a,h)anthracene	**0.15**		0.023	0.014	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Dibenzofuran	**0.053**	**J**	0.11	0.041	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
2,4-Dinitrotoluene	ND		0.11	0.067	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
1,4-Dioxane	ND		0.22	0.035	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3

Client Sample ID: SSHS-IRM5A2-A2-A14C **Lab Sample ID: 180-130057-3**
Date Collected: 11/16/21 11:15 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 87.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1.5**		0.023	0.0059	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Fluorene	**0.079**		0.023	0.0044	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Hexachlorobenzene	ND		0.023	0.0080	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Hexachlorobutadiene	ND		0.023	0.0066	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Hexachloroethane	ND		0.11	0.040	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Indeno[1,2,3-cd]pyrene	**0.55**		0.023	0.011	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
2-Methylphenol	ND		0.11	0.032	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Methylphenol, 3 & 4	ND		0.11	0.033	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Naphthalene	**0.099**		0.023	0.0044	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Nitrobenzene	ND		0.22	0.041	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Pentachlorophenol	ND		0.57	0.18	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Phenanthrene	**1.0**		0.023	0.0060	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Phenol	ND		0.11	0.034	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Pyrene	**2.2**		0.023	0.0053	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
Pyridine	ND		0.23	0.061	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
2,4,5-Trichlorophenol	ND		0.11	0.039	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3
2,4,6-Trichlorophenol	ND		0.11	0.037	mg/Kg	☼	11/18/21 19:05	11/20/21 17:44	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*11/18/21 19:05*	*11/20/21 17:44*	*3*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*11/18/21 19:05*	*11/20/21 17:44*	*3*
Nitrobenzene-d5 (Surr)	*63*		*34 - 109*	*11/18/21 19:05*	*11/20/21 17:44*	*3*
Phenol-d5 (Surr)	*62*		*34 - 105*	*11/18/21 19:05*	*11/20/21 17:44*	*3*
Terphenyl-d14 (Surr)	*116*		*20 - 117*	*11/18/21 19:05*	*11/20/21 17:44*	*3*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*11/18/21 19:05*	*11/20/21 17:44*	*3*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1254	**0.079**		0.019	0.0057	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/19/21 08:45	11/22/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/19/21 08:45*	*11/22/21 19:46*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/19/21 08:45*	*11/22/21 19:46*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/19/21 08:45*	*11/22/21 19:46*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*11/19/21 08:45*	*11/22/21 19:46*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		0.89	0.35	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Barium	**62**		18	0.95	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Beryllium	**0.43**		0.35	0.020	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Cadmium	**0.11**	**J**	0.44	0.032	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1

Client Sample ID: SSHS-IRM5A2-A2-A14C
Lab Sample ID: 180-130057-3
Date Collected: 11/16/21 11:15 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 87.5**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	12		0.44	0.36	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Copper	27		2.2	2.0	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Lead	25		0.89	0.45	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Manganese	620		1.3	0.36	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Nickel	20		3.5	0.22	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Selenium	0.56	J	0.89	0.46	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Silver	ND		0.44	0.093	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1
Zinc	67		1.8	1.4	mg/Kg	☼	11/22/21 11:40	11/23/21 22:09	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.066		0.034	0.022	mg/Kg	☼	11/19/21 04:32	11/19/21 08:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.5		0.1	0.1	%			11/18/21 10:53	1
Percent Solids	87.5		0.1	0.1	%			11/18/21 10:53	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:57	1
Cyanide, Total	ND		0.52	0.28	mg/Kg	☼	11/18/21 12:00	11/19/21 16:12	1

Client Sample ID: SSHS-IRM5A2-A2-A15A
Lab Sample ID: 180-130057-4
Date Collected: 11/16/21 12:00 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 87.3**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0065	0.0062	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Benzene	ND		0.0011	0.00028	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
2-Butanone (MEK)	ND		0.0054	0.00040	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Carbon tetrachloride	ND		0.0011	0.00042	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Chlorobenzene	ND		0.0011	0.00019	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Chloroform	ND		0.0011	0.0011	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
cis-1,2-Dichloroethene	ND		0.0011	0.00039	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,2-Dichlorobenzene	ND		0.0011	0.00039	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,3-Dichlorobenzene	ND		0.0011	0.00040	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,4-Dichlorobenzene	ND		0.0011	0.00025	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,1-Dichloroethane	ND		0.0011	0.00022	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,2-Dichloroethane	ND		0.0011	0.00032	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,1-Dichloroethene	ND		0.0011	0.00025	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,4-Dioxane	ND		0.022	0.010	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Ethylbenzene	ND		0.0011	0.00022	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Methylene Chloride	ND		0.0022	0.0012	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Methyl tert-butyl ether	ND		0.0011	0.00056	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
n-Butylbenzene	ND		0.0011	0.00032	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
N-Propylbenzene	ND		0.0011	0.00019	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
sec-Butylbenzene	ND		0.0011	0.00031	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
tert-Butylbenzene	ND		0.0011	0.00030	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Tetrachloroethene	0.0041		0.0011	0.00033	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Toluene	ND		0.0011	0.00025	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
trans-1,2-Dichloroethene	ND		0.0011	0.00027	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1

Client Sample ID: SSHS-IRM5A2-A2-A15A
Lab Sample ID: 180-130057-4
Date Collected: 11/16/21 12:00 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 87.3**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0011	0.00025	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Trichloroethene	**0.025**		0.0011	0.00035	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,2,4-Trimethylbenzene	ND		0.0011	0.00027	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
1,3,5-Trimethylbenzene	ND		0.0011	0.00034	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Vinyl chloride	ND		0.0011	0.00059	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1
Xylenes, Total	ND		0.0022	0.00070	mg/Kg	☼	11/18/21 08:09	11/21/21 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 139*	*11/18/21 08:09*	*11/21/21 15:19*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*11/18/21 08:09*	*11/21/21 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/18/21 08:09*	*11/21/21 15:19*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/18/21 08:09*	*11/21/21 15:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.7**		1.0	1.0	%			11/21/21 00:43	1
Percent Solids	**87.3**		1.0	1.0	%			11/21/21 00:43	1

Client Sample ID: SSHS-IRM5A2-A2-A15B
Lab Sample ID: 180-130057-5
Date Collected: 11/16/21 12:00 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 94.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.30	0.27	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Benzene	ND		0.061	0.012	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
2-Butanone (MEK)	ND		0.30	0.13	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Carbon tetrachloride	ND		0.061	0.020	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Chlorobenzene	ND		0.061	0.015	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Chloroform	ND		0.061	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
cis-1,2-Dichloroethene	**0.20**		0.061	0.016	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,2-Dichlorobenzene	ND		0.061	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,3-Dichlorobenzene	ND		0.061	0.020	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,4-Dichlorobenzene	ND		0.061	0.020	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,1-Dichloroethane	ND		0.061	0.015	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,2-Dichloroethane	ND		0.061	0.015	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,1-Dichloroethene	ND		0.061	0.016	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,4-Dioxane	ND		3.0	1.7	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Ethylbenzene	ND		0.061	0.018	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Methylene Chloride	ND		0.061	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Methyl tert-butyl ether	ND		0.061	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
n-Butylbenzene	ND		0.061	0.016	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
N-Propylbenzene	ND		0.061	0.018	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
sec-Butylbenzene	ND		0.061	0.019	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
tert-Butylbenzene	ND		0.061	0.017	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Tetrachloroethene	**0.80**		0.061	0.022	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Toluene	ND		0.061	0.015	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
trans-1,2-Dichloroethene	ND		0.061	0.011	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,1,1-Trichloroethane	**0.058**	**J**	0.061	0.017	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Trichloroethene	**2.4**		0.061	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50

Client Sample ID: SSHS-IRM5A2-A2-A15B — Lab Sample ID: 180-130057-5

Date Collected: 11/16/21 12:00 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 94.5**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.061	0.014	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
1,3,5-Trimethylbenzene	ND		0.061	0.015	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Vinyl chloride	ND		0.061	0.012	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50
Xylenes, Total	ND		0.12	0.017	mg/Kg	☼	11/18/21 08:00	11/23/21 13:21	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*120*		*62 - 150*	*11/18/21 08:00*	*11/23/21 13:21*	*50*
Dibromofluoromethane (Surr)	*110*		*54 - 150*	*11/18/21 08:00*	*11/23/21 13:21*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 150*	*11/18/21 08:00*	*11/23/21 13:21*	*50*
Toluene-d8 (Surr)	*106*		*68 - 148*	*11/18/21 08:00*	*11/23/21 13:21*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.5**		1.0	1.0	%			11/21/21 00:45	1
Percent Solids	**94.5**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A15C — Lab Sample ID: 180-130057-6

Date Collected: 11/16/21 12:00 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 91.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.016**	**J**	0.036	0.010	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Acenaphthylene	**0.15**		0.036	0.0080	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Anthracene	**0.11**		0.036	0.0094	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Benzo[a]anthracene	**0.24**		0.036	0.016	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Benzo[a]pyrene	**0.24**		0.036	0.016	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Benzo[b]fluoranthene	**0.31**		0.036	0.0089	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Benzo[g,h,i]perylene	**0.29**		0.036	0.0078	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Benzo[k]fluoranthene	**0.11**		0.036	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Chrysene	**0.24**		0.036	0.020	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Dibenz(a,h)anthracene	**0.070**		0.036	0.023	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Dibenzofuran	ND		0.18	0.067	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
1,4-Dioxane	ND		0.36	0.057	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Fluoranthene	**0.44**		0.036	0.0096	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Fluorene	**0.022**	**J**	0.036	0.0071	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Hexachlorobenzene	ND		0.036	0.013	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Hexachlorobutadiene	ND		0.036	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Hexachloroethane	ND		0.18	0.064	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Indeno[1,2,3-cd]pyrene	**0.26**		0.036	0.018	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
2-Methylphenol	ND		0.18	0.052	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Methylphenol, 3 & 4	ND		0.18	0.053	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Naphthalene	**0.034**	**J**	0.036	0.0071	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Nitrobenzene	ND		0.36	0.066	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Pentachlorophenol	ND		0.93	0.29	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Phenanthrene	**0.18**		0.036	0.0097	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Phenol	ND		0.18	0.055	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Pyrene	**0.38**		0.036	0.0086	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
Pyridine	ND		0.36	0.098	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5

Client Sample ID: SSHS-IRM5A2-A2-A15C
Date Collected: 11/16/21 12:00
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130057-6
Matrix: Solid
Percent Solids: 91.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		0.18	0.063	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5
2,4,6-Trichlorophenol	ND		0.18	0.060	mg/Kg	☼	11/18/21 19:05	11/19/21 19:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*35 - 105*	*11/18/21 19:05*	*11/19/21 19:30*	*5*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*11/18/21 19:05*	*11/19/21 19:30*	*5*
Nitrobenzene-d5 (Surr)	*59*		*34 - 109*	*11/18/21 19:05*	*11/19/21 19:30*	*5*
Phenol-d5 (Surr)	*61*		*34 - 105*	*11/18/21 19:05*	*11/19/21 19:30*	*5*
Terphenyl-d14 (Surr)	*66*		*20 - 117*	*11/18/21 19:05*	*11/19/21 19:30*	*5*
2,4,6-Tribromophenol (Surr)	*57*		*20 - 119*	*11/18/21 19:05*	*11/19/21 19:30*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.18	0.058	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1221	ND		0.18	0.063	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1232	ND		0.18	0.044	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1242	ND		0.18	0.026	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1248	**9.7**		0.18	0.043	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1254	**2.2**		0.18	0.054	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1260	ND		0.18	0.051	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1262	ND		0.18	0.063	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10
PCB-1268	ND		0.18	0.024	mg/Kg	☼	11/19/21 08:45	11/23/21 09:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*133*		*63 - 138*	*11/19/21 08:45*	*11/23/21 09:31*	*10*
DCB Decachlorobiphenyl (Surr)	*128*		*63 - 138*	*11/19/21 08:45*	*11/23/21 09:31*	*10*
Tetrachloro-m-xylene (Surr)	*123*		*55 - 135*	*11/19/21 08:45*	*11/23/21 09:31*	*10*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*11/19/21 08:45*	*11/23/21 09:31*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.5**		0.83	0.32	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Barium	**80**		17	0.89	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Beryllium	**0.42**		0.33	0.019	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Cadmium	**0.096**	**J**	0.42	0.030	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Chromium	**11**		0.42	0.34	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Copper	**35**		2.1	1.9	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Lead	**34**		0.83	0.42	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Manganese	**430**		1.2	0.34	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Nickel	**19**		3.3	0.21	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Selenium	ND		0.83	0.43	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Silver	ND		0.42	0.087	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1
Zinc	**73**		1.7	1.3	mg/Kg	☼	11/22/21 11:40	11/23/21 22:14	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.032	0.021	mg/Kg	☼	11/19/21 04:32	11/19/21 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			11/18/21 10:53	1

Client Sample ID: SSHS-IRM5A2-A2-A15C — Lab Sample ID: 180-130057-6

Date Collected: 11/16/21 12:00 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 91.2**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91.2**		0.1	0.1	%			11/18/21 10:53	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	11/22/21 09:59	11/23/21 17:58	1
Cyanide, Total	ND		0.55	0.30	mg/Kg	☼	11/18/21 12:00	11/19/21 16:14	1

Client Sample ID: SSHS-IRM5A2-A2-A16A — Lab Sample ID: 180-130057-7

Date Collected: 11/16/21 12:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 94.6**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.22	0.19	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Benzene	ND		0.043	0.0088	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
2-Butanone (MEK)	ND		0.22	0.095	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Carbon tetrachloride	ND		0.043	0.014	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Chlorobenzene	ND		0.043	0.010	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Chloroform	ND		0.043	0.0095	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
cis-1,2-Dichloroethene	**0.59**		0.043	0.011	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,2-Dichlorobenzene	ND		0.043	0.0095	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,3-Dichlorobenzene	ND		0.043	0.014	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,4-Dichlorobenzene	ND		0.043	0.014	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,1-Dichloroethane	ND		0.043	0.010	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,2-Dichloroethane	ND		0.043	0.011	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,1-Dichloroethene	ND		0.043	0.011	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,4-Dioxane	ND		2.2	1.2	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Ethylbenzene	ND		0.043	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Methylene Chloride	ND		0.043	0.0091	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Methyl tert-butyl ether	ND		0.043	0.0093	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
n-Butylbenzene	ND		0.043	0.012	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
N-Propylbenzene	ND		0.043	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
sec-Butylbenzene	ND		0.043	0.013	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
tert-Butylbenzene	ND		0.043	0.012	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Tetrachloroethene	**0.72**		0.043	0.016	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Toluene	**0.036**	**J**	0.043	0.011	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
trans-1,2-Dichloroethene	ND		0.043	0.0078	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,1,1-Trichloroethane	**0.10**		0.043	0.012	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Trichloroethene	**1.8**		0.043	0.0095	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,2,4-Trimethylbenzene	**0.026**	**J**	0.043	0.010	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
1,3,5-Trimethylbenzene	ND		0.043	0.011	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Vinyl chloride	ND		0.043	0.0087	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50
Xylenes, Total	ND		0.087	0.012	mg/Kg	☼	11/18/21 08:00	11/23/21 16:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*62 - 150*	*11/18/21 08:00*	*11/23/21 16:45*	*50*
Dibromofluoromethane (Surr)	*95*		*54 - 150*	*11/18/21 08:00*	*11/23/21 16:45*	*50*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 150*	*11/18/21 08:00*	*11/23/21 16:45*	*50*
Toluene-d8 (Surr)	*104*		*68 - 148*	*11/18/21 08:00*	*11/23/21 16:45*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.4**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A16A — Lab Sample ID: 180-130057-7

Date Collected: 11/16/21 12:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 94.6**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**94.6**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A16B — Lab Sample ID: 180-130057-8

Date Collected: 11/16/21 12:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 100.0**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.22	0.19	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Benzene	ND		0.043	0.0087	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
2-Butanone (MEK)	ND		0.22	0.095	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Carbon tetrachloride	ND		0.043	0.014	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Chlorobenzene	ND		0.043	0.010	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Chloroform	ND		0.043	0.0095	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
cis-1,2-Dichloroethene	**0.35**		0.043	0.011	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,2-Dichlorobenzene	**0.011**	**J**	0.043	0.0095	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,3-Dichlorobenzene	ND		0.043	0.014	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,4-Dichlorobenzene	ND		0.043	0.014	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,1-Dichloroethane	ND		0.043	0.010	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,2-Dichloroethane	ND		0.043	0.011	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,1-Dichloroethene	ND		0.043	0.011	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,4-Dioxane	ND		2.2	1.2	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Ethylbenzene	ND		0.043	0.013	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Methylene Chloride	**0.021**	**J**	0.043	0.0091	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Methyl tert-butyl ether	ND		0.043	0.0092	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
n-Butylbenzene	ND		0.043	0.012	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
N-Propylbenzene	ND		0.043	0.013	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
sec-Butylbenzene	ND		0.043	0.013	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
tert-Butylbenzene	ND		0.043	0.012	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Tetrachloroethene	**2.1**		0.043	0.016	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Toluene	**0.044**		0.043	0.011	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
trans-1,2-Dichloroethene	**0.0090**	**J**	0.043	0.0078	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,1,1-Trichloroethane	**0.15**		0.043	0.012	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Trichloroethene	**5.8**		0.043	0.0095	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,2,4-Trimethylbenzene	**0.035**	**J**	0.043	0.0099	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
1,3,5-Trimethylbenzene	**0.014**	**J**	0.043	0.011	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Vinyl chloride	ND		0.043	0.0086	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50
Xylenes, Total	ND		0.086	0.012	mg/Kg	☼	11/18/21 08:01	11/23/21 17:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*62 - 150*	*11/18/21 08:01*	*11/23/21 17:10*	*50*
Dibromofluoromethane (Surr)	*92*		*54 - 150*	*11/18/21 08:01*	*11/23/21 17:10*	*50*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 150*	*11/18/21 08:01*	*11/23/21 17:10*	*50*
Toluene-d8 (Surr)	*98*		*68 - 148*	*11/18/21 08:01*	*11/23/21 17:10*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**0.0**		1.0	1.0	%			11/21/21 00:45	1
Percent Solids	**100.0**		1.0	1.0	%			11/21/21 00:45	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-130057-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A16C
Lab Sample ID: 180-130057-9
Date Collected: 11/16/21 12:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 92.6

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.28	0.081	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Acenaphthylene	**0.57**		0.28	0.062	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Anthracene	**0.43**		0.28	0.073	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Benzo[a]anthracene	**0.60**		0.28	0.13	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Benzo[a]pyrene	**0.49**		0.28	0.12	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Benzo[b]fluoranthene	**0.81**		0.28	0.069	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Benzo[g,h,i]perylene	**0.74**		0.28	0.061	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Benzo[k]fluoranthene	**0.18**	**J**	0.28	0.085	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Chrysene	**0.55**		0.28	0.16	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Dibenz(a,h)anthracene	**0.18**	**J**	0.28	0.18	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Dibenzofuran	ND		1.4	0.52	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
2,4-Dinitrotoluene	ND		1.4	0.84	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
1,4-Dioxane	ND		2.8	0.44	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Fluoranthene	**1.0**		0.28	0.075	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Fluorene	**0.15**	**J**	0.28	0.055	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Hexachlorobenzene	ND		0.28	0.10	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Hexachlorobutadiene	ND		0.28	0.083	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Hexachloroethane	ND		1.4	0.50	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Indeno[1,2,3-cd]pyrene	**0.61**		0.28	0.14	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
2-Methylphenol	ND		1.4	0.40	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Methylphenol, 3 & 4	ND		1.4	0.41	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Naphthalene	**0.13**	**J**	0.28	0.055	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Nitrobenzene	ND		2.8	0.52	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Pentachlorophenol	ND		7.2	2.3	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Phenanthrene	**0.69**		0.28	0.076	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Phenol	ND		1.4	0.43	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Pyrene	**0.81**		0.28	0.067	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
Pyridine	ND		2.8	0.76	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
2,4,5-Trichlorophenol	ND		1.4	0.49	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40
2,4,6-Trichlorophenol	ND		1.4	0.47	mg/Kg	☼	11/18/21 19:05	11/19/21 19:52	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*S1-*	*35 - 105*	*11/18/21 19:05*	*11/19/21 19:52*	*40*
2-Fluorophenol (Surr)	*0*	*S1-*	*32 - 105*	*11/18/21 19:05*	*11/19/21 19:52*	*40*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*34 - 109*	*11/18/21 19:05*	*11/19/21 19:52*	*40*
Phenol-d5 (Surr)	*0*	*S1-*	*34 - 105*	*11/18/21 19:05*	*11/19/21 19:52*	*40*
Terphenyl-d14 (Surr)	*0*	*S1-*	*20 - 117*	*11/18/21 19:05*	*11/19/21 19:52*	*40*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*20 - 119*	*11/18/21 19:05*	*11/19/21 19:52*	*40*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.8	2.9	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1221	ND		8.8	3.1	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1232	ND		8.8	2.1	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1242	ND		8.8	1.3	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1248	**510**		8.8	2.1	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1254	**110**		8.8	2.6	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1260	ND		8.8	2.5	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1262	ND		8.8	3.1	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500
PCB-1268	ND		8.8	1.2	mg/Kg	☼	11/19/21 08:45	11/23/21 09:50	500

Client Sample ID: SSHS-IRM5A2-A2-A16C — Lab Sample ID: 180-130057-9

Date Collected: 11/16/21 12:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 92.6**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	0	S1- D	63 - 138	11/19/21 08:45	11/23/21 09:50	500
DCB Decachlorobiphenyl (Surr)	0	S1- D	63 - 138	11/19/21 08:45	11/23/21 09:50	500
Tetrachloro-m-xylene (Surr)	0	S1- D	55 - 135	11/19/21 08:45	11/23/21 09:50	500
Tetrachloro-m-xylene (Surr)	0	S1- D	55 - 135	11/19/21 08:45	11/23/21 09:50	500

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.4		0.95	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Barium	130		19	1.0	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Beryllium	0.35	J	0.38	0.022	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Cadmium	0.23	J	0.47	0.034	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Chromium	12		0.47	0.39	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Copper	64		2.4	2.2	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Lead	55		0.95	0.48	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Manganese	330		1.4	0.38	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Nickel	19		3.8	0.24	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Selenium	ND		0.95	0.49	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Silver	ND		0.47	0.10	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1
Zinc	130		1.9	1.5	mg/Kg	☼	11/22/21 11:40	11/23/21 22:18	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.030	0.019	mg/Kg	☼	11/19/21 04:32	11/19/21 08:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.4		0.1	0.1	%			11/18/21 10:53	1
Percent Solids	92.6		0.1	0.1	%			11/18/21 10:53	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	11/22/21 09:59	11/23/21 17:53	1
Cyanide, Total	0.90		0.45	0.24	mg/Kg	☼	11/18/21 12:00	11/19/21 16:15	1

Client Sample ID: SSHS-IRM5A2-A2-A17A — Lab Sample ID: 180-130057-10

Date Collected: 11/16/21 14:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 89.8**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0061	0.0058	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Benzene	ND		0.0010	0.00026	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
2-Butanone (MEK)	ND		0.0051	0.00037	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Chloroform	ND		0.0010	0.00099	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,2-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,4-Dioxane	ND		0.020	0.0093	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1

Client Sample ID: SSHS-IRM5A2-A2-A17A

Lab Sample ID: 180-130057-10
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 89.8

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0010	0.00020	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Methylene Chloride	ND		0.0020	0.0012	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Methyl tert-butyl ether	ND		0.0010	0.00052	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
n-Butylbenzene	ND		0.0010	0.00030	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Toluene	ND		0.0010	0.00024	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,1,1-Trichloroethane	ND		0.0010	0.00024	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Trichloroethene	ND		0.0010	0.00033	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00032	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1
Xylenes, Total	ND		0.0020	0.00065	mg/Kg	☼	11/18/21 08:12	11/21/21 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/18/21 08:12*	*11/21/21 15:40*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*11/18/21 08:12*	*11/21/21 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*11/18/21 08:12*	*11/21/21 15:40*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/18/21 08:12*	*11/21/21 15:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.2**		1.0	1.0	%			11/21/21 00:45	1
Percent Solids	**89.8**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A17B

Lab Sample ID: 180-130057-11
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 91.2

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0056	0.0054	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Benzene	ND		0.00094	0.00024	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
2-Butanone (MEK)	ND		0.0047	0.00035	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Carbon tetrachloride	ND		0.00094	0.00036	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Chlorobenzene	ND		0.00094	0.00017	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Chloroform	ND		0.00094	0.00091	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
cis-1,2-Dichloroethene	ND		0.00094	0.00034	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,2-Dichlorobenzene	ND		0.00094	0.00034	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,3-Dichlorobenzene	ND		0.00094	0.00034	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,4-Dichlorobenzene	ND		0.00094	0.00021	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,1-Dichloroethane	ND		0.00094	0.00019	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,2-Dichloroethane	ND		0.00094	0.00028	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,1-Dichloroethene	ND		0.00094	0.00021	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,4-Dioxane	ND		0.019	0.0086	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Ethylbenzene	ND		0.00094	0.00019	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1

Client Sample ID: SSHS-IRM5A2-A2-A17B — Lab Sample ID: 180-130057-11

Date Collected: 11/16/21 14:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 91.2**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.00094	0.00048	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
n-Butylbenzene	ND		0.00094	0.00028	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
N-Propylbenzene	ND		0.00094	0.00016	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
sec-Butylbenzene	ND		0.00094	0.00027	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
tert-Butylbenzene	ND		0.00094	0.00026	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Tetrachloroethene	**0.00052**	**J**	0.00094	0.00029	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Toluene	ND		0.00094	0.00022	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
trans-1,2-Dichloroethene	ND		0.00094	0.00023	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,1,1-Trichloroethane	ND		0.00094	0.00022	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Trichloroethene	ND		0.00094	0.00030	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,2,4-Trimethylbenzene	ND		0.00094	0.00023	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
1,3,5-Trimethylbenzene	ND		0.00094	0.00030	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Vinyl chloride	ND		0.00094	0.00051	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1
Xylenes, Total	ND		0.0019	0.00060	mg/Kg	☼	11/18/21 08:13	11/21/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/18/21 08:13*	*11/21/21 16:02*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*11/18/21 08:13*	*11/21/21 16:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 145*	*11/18/21 08:13*	*11/21/21 16:02*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/18/21 08:13*	*11/21/21 16:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		1.0	1.0	%			11/21/21 00:45	1
Percent Solids	**91.2**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A17C — Lab Sample ID: 180-130057-12

Date Collected: 11/16/21 14:30 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 85.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.019**	**J**	0.039	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Acenaphthylene	**0.46**		0.039	0.0084	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Anthracene	**0.37**		0.039	0.010	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Benzo[a]anthracene	**0.50**		0.039	0.017	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Benzo[a]pyrene	**0.49**		0.039	0.017	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Benzo[b]fluoranthene	**0.74**		0.039	0.0095	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Benzo[g,h,i]perylene	**0.71**		0.039	0.0083	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Benzo[k]fluoranthene	**0.23**		0.039	0.012	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Chrysene	**0.54**		0.039	0.021	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Dibenz(a,h)anthracene	**0.17**		0.039	0.025	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Dibenzofuran	ND		0.19	0.071	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
2,4-Dinitrotoluene	ND		0.19	0.12	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
1,4-Dioxane	ND		0.39	0.060	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Fluoranthene	**0.78**		0.039	0.010	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Fluorene	**0.046**		0.039	0.0076	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Hexachlorobenzene	ND		0.039	0.014	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Hexachlorobutadiene	ND		0.039	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Hexachloroethane	ND		0.19	0.068	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5

Client Sample ID: SSHS-IRM5A2-A2-A17C **Lab Sample ID: 180-130057-12**
Date Collected: 11/16/21 14:30 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 85.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.60**		0.039	0.019	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
2-Methylphenol	ND		0.19	0.055	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Methylphenol, 3 & 4	ND		0.19	0.057	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Naphthalene	**0.12**		0.039	0.0075	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Nitrobenzene	ND		0.39	0.071	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Pentachlorophenol	ND		0.98	0.31	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Phenanthrene	**0.30**		0.039	0.010	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Phenol	ND		0.19	0.058	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Pyrene	**0.77**		0.039	0.0091	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
Pyridine	ND		0.39	0.10	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
2,4,5-Trichlorophenol	ND		0.19	0.067	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5
2,4,6-Trichlorophenol	ND		0.19	0.064	mg/Kg	☼	11/18/21 19:05	11/19/21 20:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*11/18/21 19:05*	*11/19/21 20:14*	*5*
2-Fluorophenol (Surr)	*74*		*32 - 105*	*11/18/21 19:05*	*11/19/21 20:14*	*5*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*11/18/21 19:05*	*11/19/21 20:14*	*5*
Phenol-d5 (Surr)	*75*		*34 - 105*	*11/18/21 19:05*	*11/19/21 20:14*	*5*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*11/18/21 19:05*	*11/19/21 20:14*	*5*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 119*	*11/18/21 19:05*	*11/19/21 20:14*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1221	ND		0.019	0.0069	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1248	**0.34**		0.019	0.0047	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1254	**0.17**		0.019	0.0058	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1260	**0.080**		0.019	0.0055	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/19/21 08:45	11/22/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*11/19/21 08:45*	*11/22/21 20:43*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*11/19/21 08:45*	*11/22/21 20:43*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/19/21 08:45*	*11/22/21 20:43*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*11/19/21 08:45*	*11/22/21 20:43*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.5**		0.72	0.28	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Barium	**1400**		14	0.78	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Beryllium	**0.43**		0.29	0.017	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Cadmium	**0.23**	**J**	0.36	0.026	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Chromium	**19**		0.36	0.30	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Copper	**72**		1.8	1.7	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Lead	**540**		0.72	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Manganese	**390**		1.1	0.29	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Nickel	**26**		2.9	0.18	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1

Client Sample ID: SSHS-IRM5A2-A2-A17C

Lab Sample ID: 180-130057-12
Date Collected: 11/16/21 14:30
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 85.9

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.61	J	0.72	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Silver	ND		0.36	0.076	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1
Zinc	410		1.4	1.1	mg/Kg	☼	11/22/21 11:40	11/23/21 22:32	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.026	0.017	mg/Kg	☼	11/19/21 04:32	11/19/21 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.1		0.1	0.1	%			11/18/21 10:53	1
Percent Solids	85.9		0.1	0.1	%			11/18/21 10:53	1
Hexavalent chromium	0.43	J	0.47	0.25	mg/Kg	☼	11/22/21 09:59	11/23/21 17:54	1
Cyanide, Total	0.91		0.49	0.26	mg/Kg	☼	11/18/21 12:00	11/19/21 16:49	1

Client Sample ID: SSHS-IRM5A2-A2-A18A

Lab Sample ID: 180-130057-13
Date Collected: 11/16/21 14:45
Matrix: Solid
Date Received: 11/17/21 10:00
Percent Solids: 89.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0076	0.0072	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Benzene	ND		0.0013	0.00033	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
2-Butanone (MEK)	ND		0.0063	0.00047	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Carbon tetrachloride	ND		0.0013	0.00049	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Chlorobenzene	ND		0.0013	0.00022	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Chloroform	ND		0.0013	0.0012	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
cis-1,2-Dichloroethene	ND		0.0013	0.00045	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,2-Dichlorobenzene	ND		0.0013	0.00046	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,3-Dichlorobenzene	ND		0.0013	0.00046	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,4-Dichlorobenzene	ND		0.0013	0.00028	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,1-Dichloroethane	ND		0.0013	0.00026	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,2-Dichloroethane	ND		0.0013	0.00037	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,1-Dichloroethene	ND		0.0013	0.00028	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,4-Dioxane	ND		0.025	0.012	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Ethylbenzene	ND		0.0013	0.00025	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Methylene Chloride	ND		0.0025	0.0014	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Methyl tert-butyl ether	ND		0.0013	0.00065	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
n-Butylbenzene	ND		0.0013	0.00037	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
N-Propylbenzene	ND		0.0013	0.00022	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
sec-Butylbenzene	ND		0.0013	0.00036	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
tert-Butylbenzene	ND		0.0013	0.00035	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Tetrachloroethene	ND		0.0013	0.00039	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Toluene	ND		0.0013	0.00030	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
trans-1,2-Dichloroethene	ND		0.0013	0.00031	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,1,1-Trichloroethane	ND		0.0013	0.00030	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Trichloroethene	ND		0.0013	0.00041	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,2,4-Trimethylbenzene	ND		0.0013	0.00031	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
1,3,5-Trimethylbenzene	ND		0.0013	0.00040	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1
Vinyl chloride	ND		0.0013	0.00069	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1

Client Sample ID: SSHS-IRM5A2-A2-A18A
Lab Sample ID: 180-130057-13
Date Collected: 11/16/21 14:45 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 89.3**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0025	0.00081	mg/Kg	☼	11/18/21 08:14	11/23/21 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 139*	*11/18/21 08:14*	*11/23/21 09:53*	*1*
Dibromofluoromethane (Surr)	*113*		*48 - 150*	*11/18/21 08:14*	*11/23/21 09:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*	*11/18/21 08:14*	*11/23/21 09:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*11/18/21 08:14*	*11/23/21 09:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		1.0	1.0	%			11/21/21 00:45	1
Percent Solids	**89.3**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A18B
Lab Sample ID: 180-130057-14
Date Collected: 11/16/21 14:45 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 91.3**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0072	0.0069	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Benzene	ND		0.0012	0.00031	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
2-Butanone (MEK)	ND		0.0060	0.00044	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Carbon tetrachloride	ND		0.0012	0.00046	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Chlorobenzene	ND		0.0012	0.00021	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Chloroform	ND		0.0012	0.0012	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
cis-1,2-Dichloroethene	ND		0.0012	0.00043	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,2-Dichlorobenzene	ND		0.0012	0.00043	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,3-Dichlorobenzene	ND		0.0012	0.00044	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,4-Dichlorobenzene	ND		0.0012	0.00027	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,1-Dichloroethane	ND		0.0012	0.00025	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,2-Dichloroethane	ND		0.0012	0.00035	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,1-Dichloroethene	ND		0.0012	0.00027	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,4-Dioxane	ND		0.024	0.011	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Ethylbenzene	ND		0.0012	0.00024	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Methylene Chloride	ND		0.0024	0.0014	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Methyl tert-butyl ether	ND		0.0012	0.00061	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
n-Butylbenzene	ND		0.0012	0.00035	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
N-Propylbenzene	ND		0.0012	0.00021	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
sec-Butylbenzene	ND		0.0012	0.00035	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
tert-Butylbenzene	ND		0.0012	0.00033	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Tetrachloroethene	ND		0.0012	0.00037	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Toluene	ND		0.0012	0.00028	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
trans-1,2-Dichloroethene	ND		0.0012	0.00029	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,1,1-Trichloroethane	ND		0.0012	0.00028	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Trichloroethene	ND		0.0012	0.00038	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,2,4-Trimethylbenzene	ND		0.0012	0.00029	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
1,3,5-Trimethylbenzene	ND		0.0012	0.00038	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Vinyl chloride	ND		0.0012	0.00065	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1
Xylenes, Total	ND		0.0024	0.00077	mg/Kg	☼	11/18/21 08:15	11/21/21 19:14	1

Client Sample ID: SSHS-IRM5A2-A2-A18B — Lab Sample ID: 180-130057-14

Date Collected: 11/16/21 14:45 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 91.3**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/18/21 08:15*	*11/21/21 19:14*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/18/21 08:15*	*11/21/21 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*11/18/21 08:15*	*11/21/21 19:14*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*11/18/21 08:15*	*11/21/21 19:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.7**		1.0	1.0	%			11/21/21 00:45	1
Percent Solids	**91.3**		1.0	1.0	%			11/21/21 00:45	1

Client Sample ID: SSHS-IRM5A2-A2-A18C — Lab Sample ID: 180-130057-15

Date Collected: 11/16/21 14:45 — **Matrix: Solid**
Date Received: 11/17/21 10:00 — **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.015**		0.0076	0.0022	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Acenaphthylene	**0.26**		0.0076	0.0017	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Anthracene	**0.27**		0.0076	0.0020	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Benzo[a]anthracene	**0.59**		0.0076	0.0034	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Benzo[a]pyrene	**0.49**		0.0076	0.0033	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Benzo[b]fluoranthene	**0.64**		0.0076	0.0019	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Benzo[g,h,i]perylene	**0.51**		0.0076	0.0016	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Benzo[k]fluoranthene	**0.23**		0.0076	0.0023	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Chrysene	**0.54**		0.0076	0.0042	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Dibenz(a,h)anthracene	**0.14**		0.0076	0.0048	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Dibenzofuran	**0.032**	**J**	0.037	0.014	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
2,4-Dinitrotoluene	ND		0.037	0.023	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Fluoranthene	**1.0**		0.0076	0.0020	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Fluorene	**0.040**		0.0076	0.0015	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Indeno[1,2,3-cd]pyrene	**0.50**		0.0076	0.0038	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Methylphenol, 3 & 4	**0.017**	**J**	0.037	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Naphthalene	**0.099**		0.0076	0.0015	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Phenanthrene	**0.44**		0.0076	0.0020	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Pyrene	**0.86**		0.0076	0.0018	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
Pyridine	ND		0.076	0.020	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1
2,4,6-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/18/21 19:05	11/19/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*11/18/21 19:05*	*11/19/21 20:36*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*11/18/21 19:05*	*11/19/21 20:36*	*1*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*11/18/21 19:05*	*11/19/21 20:36*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A18C
Lab Sample ID: 180-130057-15
Date Collected: 11/16/21 14:45 **Matrix: Solid**
Date Received: 11/17/21 10:00 **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/18/21 19:05*	*11/19/21 20:36*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*11/18/21 19:05*	*11/19/21 20:36*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*11/18/21 19:05*	*11/19/21 20:36*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1254	**0.29**		0.019	0.0056	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/19/21 09:20	11/23/21 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/19/21 09:20*	*11/23/21 01:42*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*11/19/21 09:20*	*11/23/21 01:42*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/19/21 09:20*	*11/23/21 01:42*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/19/21 09:20*	*11/23/21 01:42*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.8**		0.73	0.29	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Barium	**210**		15	0.79	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Beryllium	**0.40**		0.29	0.017	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Cadmium	**0.13**	**J**	0.37	0.027	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Chromium	**13**		0.37	0.30	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Copper	**39**		1.8	1.7	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Lead	**34**		0.73	0.38	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Manganese	**360**		1.1	0.30	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Nickel	**20**		2.9	0.18	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Selenium	**0.45**	**J**	0.73	0.38	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Silver	ND		0.37	0.077	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1
Zinc	**110**		1.5	1.2	mg/Kg	☼	11/22/21 11:40	11/23/21 22:36	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.034	0.022	mg/Kg	☼	11/19/21 04:32	11/19/21 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			11/18/21 10:53	1
Percent Solids	**87.2**		0.1	0.1	%			11/18/21 10:53	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 09:59	11/23/21 17:56	1
Cyanide, Total	**0.48**		0.44	0.24	mg/Kg	☼	11/18/21 12:00	11/19/21 16:51	1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-814565/7
Matrix: Solid
Analysis Batch: 814565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/21/21 07:24	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/21/21 07:24	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/21/21 07:24	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/21/21 07:24	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 07:24	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/21/21 07:24	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/21/21 07:24	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/21/21 07:24	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/21/21 07:24	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/21/21 07:24	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/21/21 07:24	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/21/21 07:24	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/21/21 07:24	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/21/21 07:24	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/21/21 07:24	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/21/21 07:24	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/21/21 07:24	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 07:24	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 07:24	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 07:24	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/21/21 07:24	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/21/21 07:24	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/21/21 07:24	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/21/21 07:24	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/21/21 07:24	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/21/21 07:24	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/21/21 07:24	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/21/21 07:24	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/21/21 07:24	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/21/21 07:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*		*11/21/21 07:24*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*		*11/21/21 07:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 145*		*11/21/21 07:24*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/21/21 07:24*	*1*

Lab Sample ID: LCS 460-814565/3
Matrix: Solid
Analysis Batch: 814565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0908		mg/Kg		91	63 - 131
Benzene	0.0200	0.0186		mg/Kg		93	80 - 123
2-Butanone (MEK)	0.100	0.0919		mg/Kg		92	75 - 120
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	72 - 136
Chlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120
Chloroform	0.0200	0.0182		mg/Kg		91	79 - 126

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814565/3
Matrix: Solid
Analysis Batch: 814565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.0200	0.0186		mg/Kg		93	80 - 123		
1,2-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120		
1,3-Dichlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120		
1,4-Dichlorobenzene			0.0200	0.0187		mg/Kg		93	80 - 120		
1,1-Dichloroethane			0.0200	0.0182		mg/Kg		91	76 - 129		
1,2-Dichloroethane			0.0200	0.0176		mg/Kg		88	70 - 132		
1,1-Dichloroethene			0.0200	0.0195		mg/Kg		97	77 - 132		
1,4-Dioxane			0.400	0.478		mg/Kg		119	73 - 136		
Ethylbenzene			0.0200	0.0187		mg/Kg		93	80 - 120		
Methylene Chloride			0.0200	0.0191		mg/Kg		95	76 - 127		
Methyl tert-butyl ether			0.0200	0.0196		mg/Kg		98	80 - 125		
n-Butylbenzene			0.0200	0.0204		mg/Kg		102	77 - 123		
N-Propylbenzene			0.0200	0.0200		mg/Kg		100	78 - 120		
sec-Butylbenzene			0.0200	0.0197		mg/Kg		99	78 - 120		
tert-Butylbenzene			0.0200	0.0198		mg/Kg		99	76 - 120		
Tetrachloroethene			0.0200	0.0196		mg/Kg		98	78 - 123		
Toluene			0.0200	0.0186		mg/Kg		93	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0199		mg/Kg		100	78 - 128		
1,1,1-Trichloroethane			0.0200	0.0176		mg/Kg		88	78 - 132		
Trichloroethene			0.0200	0.0186		mg/Kg		93	79 - 120		
1,2,4-Trimethylbenzene			0.0200	0.0196		mg/Kg		98	79 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0195		mg/Kg		98	79 - 120		
Vinyl chloride			0.0200	0.0185		mg/Kg		92	56 - 147		
Xylenes, Total			0.0400	0.0380		mg/Kg		95	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 139*
Dibromofluoromethane (Surr)	*96*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 145*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 460-814565/4
Matrix: Solid
Analysis Batch: 814565

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.100	0.0679		mg/Kg		68	63 - 131	29	30
Benzene			0.0200	0.0180		mg/Kg		90	80 - 123	3	30
2-Butanone (MEK)			0.100	0.0846		mg/Kg		85	75 - 120	8	30
Carbon tetrachloride			0.0200	0.0185		mg/Kg		92	72 - 136	1	30
Chlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120	2	30
Chloroform			0.0200	0.0177		mg/Kg		89	79 - 126	3	30
cis-1,2-Dichloroethene			0.0200	0.0176		mg/Kg		88	80 - 123	6	30
1,2-Dichlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120	4	30
1,3-Dichlorobenzene			0.0200	0.0185		mg/Kg		92	80 - 120	7	30
1,4-Dichlorobenzene			0.0200	0.0181		mg/Kg		90	80 - 120	3	30
1,1-Dichloroethane			0.0200	0.0187		mg/Kg		94	76 - 129	3	30
1,2-Dichloroethane			0.0200	0.0172		mg/Kg		86	70 - 132	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814565/4
Matrix: Solid
Analysis Batch: 814565

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0189		mg/Kg		94	77 - 132	3	30
1,4-Dioxane	0.400	0.469		mg/Kg		117	73 - 136	2	30
Ethylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120	1	30
Methylene Chloride	0.0200	0.0189		mg/Kg		95	76 - 127	1	30
Methyl tert-butyl ether	0.0200	0.0183		mg/Kg		92	80 - 125	6	30
n-Butylbenzene	0.0200	0.0200		mg/Kg		100	77 - 123	2	30
N-Propylbenzene	0.0200	0.0196		mg/Kg		98	78 - 120	2	30
sec-Butylbenzene	0.0200	0.0195		mg/Kg		97	78 - 120	1	30
tert-Butylbenzene	0.0200	0.0194		mg/Kg		97	76 - 120	2	30
Tetrachloroethene	0.0200	0.0188		mg/Kg		94	78 - 123	4	30
Toluene	0.0200	0.0184		mg/Kg		92	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0185		mg/Kg		93	78 - 128	7	30
1,1,1-Trichloroethane	0.0200	0.0177		mg/Kg		89	78 - 132	0	30
Trichloroethene	0.0200	0.0189		mg/Kg		94	79 - 120	1	30
1,2,4-Trimethylbenzene	0.0200	0.0191		mg/Kg		95	79 - 120	3	30
1,3,5-Trimethylbenzene	0.0200	0.0190		mg/Kg		95	79 - 120	3	30
Vinyl chloride	0.0200	0.0193		mg/Kg		97	56 - 147	5	30
Xylenes, Total	0.0400	0.0373		mg/Kg		93	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 139*
Dibromofluoromethane (Surr)	*95*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 145*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 460-814629/8
Matrix: Solid
Analysis Batch: 814629

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/21/21 18:52	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/21/21 18:52	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/21/21 18:52	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/21/21 18:52	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 18:52	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/21/21 18:52	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/21/21 18:52	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/21/21 18:52	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/21/21 18:52	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:52	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/21/21 18:52	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/21/21 18:52	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:52	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/21/21 18:52	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/21/21 18:52	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/21/21 18:52	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/21/21 18:52	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 18:52	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-814629/8
Matrix: Solid
Analysis Batch: 814629

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 18:52	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 18:52	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/21/21 18:52	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/21/21 18:52	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:52	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/21/21 18:52	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/21/21 18:52	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/21/21 18:52	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/21/21 18:52	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/21/21 18:52	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/21/21 18:52	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/21/21 18:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 139*		*11/21/21 18:52*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*		*11/21/21 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*		*11/21/21 18:52*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/21/21 18:52*	*1*

Lab Sample ID: LCS 460-814629/3
Matrix: Solid
Analysis Batch: 814629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0868		mg/Kg		87	63 - 131
Benzene	0.0200	0.0188		mg/Kg		94	80 - 123
2-Butanone (MEK)	0.100	0.0842		mg/Kg		84	75 - 120
Carbon tetrachloride	0.0200	0.0197		mg/Kg		98	72 - 136
Chlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
1,1-Dichloroethane	0.0200	0.0194		mg/Kg		97	76 - 129
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		92	70 - 132
1,1-Dichloroethene	0.0200	0.0197		mg/Kg		98	77 - 132
1,4-Dioxane	0.400	0.413		mg/Kg		103	73 - 136
Ethylbenzene	0.0200	0.0191		mg/Kg		96	80 - 120
Methylene Chloride	0.0200	0.0200		mg/Kg		100	76 - 127
Methyl tert-butyl ether	0.0200	0.0194		mg/Kg		97	80 - 125
n-Butylbenzene	0.0200	0.0210		mg/Kg		105	77 - 123
N-Propylbenzene	0.0200	0.0201		mg/Kg		101	78 - 120
sec-Butylbenzene	0.0200	0.0197		mg/Kg		99	78 - 120
tert-Butylbenzene	0.0200	0.0195		mg/Kg		98	76 - 120
Tetrachloroethene	0.0200	0.0205		mg/Kg		103	78 - 123
Toluene	0.0200	0.0193		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	78 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814629/3
Matrix: Solid
Analysis Batch: 814629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0188		mg/Kg		94	78 - 132
Trichloroethene	0.0200	0.0191		mg/Kg		95	79 - 120
1,2,4-Trimethylbenzene	0.0200	0.0197		mg/Kg		98	79 - 120
1,3,5-Trimethylbenzene	0.0200	0.0195		mg/Kg		98	79 - 120
Vinyl chloride	0.0200	0.0216		mg/Kg		108	56 - 147
Xylenes, Total	0.0400	0.0362		mg/Kg		91	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-814629/4
Matrix: Solid
Analysis Batch: 814629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.100	0.0827		mg/Kg		83	63 - 131	5	30
Benzene	0.0200	0.0173		mg/Kg		87	80 - 123	8	30
2-Butanone (MEK)	0.100	0.0776		mg/Kg		78	75 - 120	8	30
Carbon tetrachloride	0.0200	0.0178		mg/Kg		89	72 - 136	10	30
Chlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	8	30
Chloroform	0.0200	0.0176		mg/Kg		88	79 - 126	8	30
cis-1,2-Dichloroethene	0.0200	0.0174		mg/Kg		87	80 - 123	11	30
1,2-Dichlorobenzene	0.0200	0.0172		mg/Kg		86	80 - 120	11	30
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	9	30
1,4-Dichlorobenzene	0.0200	0.0171		mg/Kg		86	80 - 120	9	30
1,1-Dichloroethane	0.0200	0.0175		mg/Kg		88	76 - 129	10	30
1,2-Dichloroethane	0.0200	0.0166		mg/Kg		83	70 - 132	11	30
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		90	77 - 132	9	30
1,4-Dioxane	0.400	0.446		mg/Kg		112	73 - 136	8	30
Ethylbenzene	0.0200	0.0175		mg/Kg		87	80 - 120	9	30
Methylene Chloride	0.0200	0.0186		mg/Kg		93	76 - 127	7	30
Methyl tert-butyl ether	0.0200	0.0179		mg/Kg		90	80 - 125	8	30
n-Butylbenzene	0.0200	0.0182		mg/Kg		91	77 - 123	14	30
N-Propylbenzene	0.0200	0.0185		mg/Kg		92	78 - 120	9	30
sec-Butylbenzene	0.0200	0.0177		mg/Kg		88	78 - 120	11	30
tert-Butylbenzene	0.0200	0.0177		mg/Kg		88	76 - 120	10	30
Tetrachloroethene	0.0200	0.0191		mg/Kg		95	78 - 123	7	30
Toluene	0.0200	0.0174		mg/Kg		87	80 - 120	11	30
trans-1,2-Dichloroethene	0.0200	0.0183		mg/Kg		91	78 - 128	10	30
1,1,1-Trichloroethane	0.0200	0.0172		mg/Kg		86	78 - 132	9	30
Trichloroethene	0.0200	0.0175		mg/Kg		87	79 - 120	9	30
1,2,4-Trimethylbenzene	0.0200	0.0175		mg/Kg		88	79 - 120	11	30
1,3,5-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	79 - 120	11	30
Vinyl chloride	0.0200	0.0229		mg/Kg		115	56 - 147	6	30
Xylenes, Total	0.0400	0.0342		mg/Kg		86	80 - 120	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814629/4
Matrix: Solid
Analysis Batch: 814629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*99*		*70 - 139*
Dibromofluoromethane (Surr)	*97*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-814887/7
Matrix: Solid
Analysis Batch: 814887

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/23/21 08:01	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/23/21 08:01	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/23/21 08:01	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/23/21 08:01	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/23/21 08:01	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/23/21 08:01	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/23/21 08:01	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/23/21 08:01	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/23/21 08:01	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/23/21 08:01	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/23/21 08:01	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/23/21 08:01	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/23/21 08:01	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/23/21 08:01	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/23/21 08:01	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/23/21 08:01	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/23/21 08:01	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/23/21 08:01	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/23/21 08:01	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/23/21 08:01	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/23/21 08:01	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/23/21 08:01	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/23/21 08:01	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/23/21 08:01	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/23/21 08:01	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/23/21 08:01	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/23/21 08:01	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/23/21 08:01	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/23/21 08:01	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/23/21 08:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*99*		*70 - 139*		*11/23/21 08:01*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*		*11/23/21 08:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*		*11/23/21 08:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/21 08:01*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814887/3
Matrix: Solid
Analysis Batch: 814887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			0.100	0.0770		mg/Kg		77	63 - 131		
Benzene			0.0200	0.0219		mg/Kg		110	80 - 123		
2-Butanone (MEK)			0.100	0.0748		mg/Kg		75	75 - 120		
Carbon tetrachloride			0.0200	0.0195		mg/Kg		97	72 - 136		
Chlorobenzene			0.0200	0.0176		mg/Kg		88	80 - 120		
Chloroform			0.0200	0.0192		mg/Kg		96	79 - 126		
cis-1,2-Dichloroethene			0.0200	0.0193		mg/Kg		97	80 - 123		
1,2-Dichlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120		
1,3-Dichlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120		
1,4-Dichlorobenzene			0.0200	0.0179		mg/Kg		89	80 - 120		
1,1-Dichloroethane			0.0200	0.0222		mg/Kg		111	76 - 129		
1,2-Dichloroethane			0.0200	0.0185		mg/Kg		93	70 - 132		
1,1-Dichloroethene			0.0200	0.0199		mg/Kg		100	77 - 132		
1,4-Dioxane			0.400	0.362		mg/Kg		91	73 - 136		
Ethylbenzene			0.0200	0.0189		mg/Kg		95	80 - 120		
Methylene Chloride			0.0200	0.0197		mg/Kg		99	76 - 127		
Methyl tert-butyl ether			0.0200	0.0184		mg/Kg		92	80 - 125		
n-Butylbenzene			0.0200	0.0203		mg/Kg		101	77 - 123		
N-Propylbenzene			0.0200	0.0205		mg/Kg		102	78 - 120		
sec-Butylbenzene			0.0200	0.0195		mg/Kg		97	78 - 120		
tert-Butylbenzene			0.0200	0.0187		mg/Kg		94	76 - 120		
Tetrachloroethene			0.0200	0.0194		mg/Kg		97	78 - 123		
Toluene			0.0200	0.0192		mg/Kg		96	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0203		mg/Kg		101	78 - 128		
1,1,1-Trichloroethane			0.0200	0.0195		mg/Kg		98	78 - 132		
Trichloroethene			0.0200	0.0191		mg/Kg		95	79 - 120		
1,2,4-Trimethylbenzene			0.0200	0.0188		mg/Kg		94	79 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0191		mg/Kg		96	79 - 120		
Vinyl chloride			0.0200	0.0205		mg/Kg		103	56 - 147		
Xylenes, Total			0.0400	0.0385		mg/Kg		96	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 139*
Dibromofluoromethane (Surr)	*103*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-814887/4
Matrix: Solid
Analysis Batch: 814887

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.100	0.0830		mg/Kg		83	63 - 131	8	30
Benzene			0.0200	0.0220		mg/Kg		110	80 - 123	0	30
2-Butanone (MEK)			0.100	0.0813		mg/Kg		81	75 - 120	8	30
Carbon tetrachloride			0.0200	0.0195		mg/Kg		98	72 - 136	0	30
Chlorobenzene			0.0200	0.0177		mg/Kg		88	80 - 120	0	30
Chloroform			0.0200	0.0193		mg/Kg		96	79 - 126	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814887/4
Matrix: Solid
Analysis Batch: 814887

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0200	0.0196		mg/Kg		98	80 - 123	1	30
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120	0	30
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	0	30
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	1	30
1,1-Dichloroethane	0.0200	0.0219		mg/Kg		110	76 - 129	1	30
1,2-Dichloroethane	0.0200	0.0184		mg/Kg		92	70 - 132	1	30
1,1-Dichloroethene	0.0200	0.0196		mg/Kg		98	77 - 132	1	30
1,4-Dioxane	0.400	0.414		mg/Kg		104	73 - 136	13	30
Ethylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120	3	30
Methylene Chloride	0.0200	0.0194		mg/Kg		97	76 - 127	2	30
Methyl tert-butyl ether	0.0200	0.0191		mg/Kg		95	80 - 125	3	30
n-Butylbenzene	0.0200	0.0206		mg/Kg		103	77 - 123	1	30
N-Propylbenzene	0.0200	0.0204		mg/Kg		102	78 - 120	1	30
sec-Butylbenzene	0.0200	0.0194		mg/Kg		97	78 - 120	0	30
tert-Butylbenzene	0.0200	0.0184		mg/Kg		92	76 - 120	2	30
Tetrachloroethene	0.0200	0.0193		mg/Kg		97	78 - 123	0	30
Toluene	0.0200	0.0191		mg/Kg		95	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		98	78 - 128	3	30
1,1,1-Trichloroethane	0.0200	0.0191		mg/Kg		96	78 - 132	2	30
Trichloroethene	0.0200	0.0188		mg/Kg		94	79 - 120	1	30
1,2,4-Trimethylbenzene	0.0200	0.0192		mg/Kg		96	79 - 120	2	30
1,3,5-Trimethylbenzene	0.0200	0.0190		mg/Kg		95	79 - 120	1	30
Vinyl chloride	0.0200	0.0213		mg/Kg		106	56 - 147	4	30
Xylenes, Total	0.0400	0.0388		mg/Kg		97	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-814905/9
Matrix: Solid
Analysis Batch: 814905

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.25	0.22	mg/Kg			11/23/21 11:16	50
Benzene	ND		0.050	0.010	mg/Kg			11/23/21 11:16	50
2-Butanone (MEK)	ND		0.25	0.11	mg/Kg			11/23/21 11:16	50
Carbon tetrachloride	ND		0.050	0.017	mg/Kg			11/23/21 11:16	50
Chlorobenzene	ND		0.050	0.012	mg/Kg			11/23/21 11:16	50
Chloroform	ND		0.050	0.011	mg/Kg			11/23/21 11:16	50
cis-1,2-Dichloroethene	ND		0.050	0.013	mg/Kg			11/23/21 11:16	50
1,2-Dichlorobenzene	ND		0.050	0.011	mg/Kg			11/23/21 11:16	50
1,3-Dichlorobenzene	ND		0.050	0.017	mg/Kg			11/23/21 11:16	50
1,4-Dichlorobenzene	ND		0.050	0.017	mg/Kg			11/23/21 11:16	50
1,1-Dichloroethane	ND		0.050	0.012	mg/Kg			11/23/21 11:16	50
1,2-Dichloroethane	ND		0.050	0.013	mg/Kg			11/23/21 11:16	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-814905/9
Matrix: Solid
Analysis Batch: 814905

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.050	0.013	mg/Kg			11/23/21 11:16	50
1,4-Dioxane	ND		2.5	1.4	mg/Kg			11/23/21 11:16	50
Ethylbenzene	ND		0.050	0.015	mg/Kg			11/23/21 11:16	50
Methylene Chloride	ND		0.050	0.011	mg/Kg			11/23/21 11:16	50
Methyl tert-butyl ether	ND		0.050	0.011	mg/Kg			11/23/21 11:16	50
n-Butylbenzene	ND		0.050	0.014	mg/Kg			11/23/21 11:16	50
N-Propylbenzene	ND		0.050	0.015	mg/Kg			11/23/21 11:16	50
sec-Butylbenzene	ND		0.050	0.016	mg/Kg			11/23/21 11:16	50
tert-Butylbenzene	ND		0.050	0.014	mg/Kg			11/23/21 11:16	50
Tetrachloroethene	ND		0.050	0.018	mg/Kg			11/23/21 11:16	50
Toluene	ND		0.050	0.013	mg/Kg			11/23/21 11:16	50
trans-1,2-Dichloroethene	ND		0.050	0.0090	mg/Kg			11/23/21 11:16	50
1,1,1-Trichloroethane	ND		0.050	0.014	mg/Kg			11/23/21 11:16	50
Trichloroethene	ND		0.050	0.011	mg/Kg			11/23/21 11:16	50
1,2,4-Trimethylbenzene	ND		0.050	0.012	mg/Kg			11/23/21 11:16	50
1,3,5-Trimethylbenzene	ND		0.050	0.013	mg/Kg			11/23/21 11:16	50
Vinyl chloride	ND		0.050	0.010	mg/Kg			11/23/21 11:16	50
Xylenes, Total	ND		0.10	0.014	mg/Kg			11/23/21 11:16	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*62 - 150*		*11/23/21 11:16*	*50*
Dibromofluoromethane (Surr)	*113*		*54 - 150*		*11/23/21 11:16*	*50*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 150*		*11/23/21 11:16*	*50*
Toluene-d8 (Surr)	*98*		*68 - 148*		*11/23/21 11:16*	*50*

Lab Sample ID: LCS 460-814905/4
Matrix: Solid
Analysis Batch: 814905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	5.00	4.88		mg/Kg		98	56 - 127
Benzene	1.00	0.946		mg/Kg		95	80 - 120
2-Butanone (MEK)	5.00	5.42		mg/Kg		108	65 - 131
Carbon tetrachloride	1.00	1.17		mg/Kg		117	68 - 123
Chlorobenzene	1.00	1.00		mg/Kg		100	80 - 120
Chloroform	1.00	1.09		mg/Kg		109	80 - 120
cis-1,2-Dichloroethene	1.00	1.08		mg/Kg		108	80 - 120
1,2-Dichlorobenzene	1.00	1.01		mg/Kg		101	80 - 120
1,3-Dichlorobenzene	1.00	1.01		mg/Kg		101	80 - 120
1,4-Dichlorobenzene	1.00	1.03		mg/Kg		103	80 - 120
1,1-Dichloroethane	1.00	0.999		mg/Kg		100	79 - 124
1,2-Dichloroethane	1.00	1.16		mg/Kg		116	62 - 132
1,1-Dichloroethene	1.00	1.06		mg/Kg		106	72 - 128
1,4-Dioxane	20.0	21.1		mg/Kg		106	80 - 126
Ethylbenzene	1.00	1.02		mg/Kg		102	72 - 121
Methylene Chloride	1.00	1.04		mg/Kg		104	74 - 127
Methyl tert-butyl ether	1.00	1.07		mg/Kg		107	77 - 125
n-Butylbenzene	1.00	0.988		mg/Kg		99	75 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814905/4
Matrix: Solid
Analysis Batch: 814905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
N-Propylbenzene			1.00	0.974		mg/Kg		97	79 - 122		
sec-Butylbenzene			1.00	0.976		mg/Kg		98	77 - 128		
tert-Butylbenzene			1.00	1.02		mg/Kg		102	76 - 123		
Tetrachloroethene			1.00	1.17		mg/Kg		117	73 - 120		
Toluene			1.00	1.00		mg/Kg		100	80 - 120		
trans-1,2-Dichloroethene			1.00	1.11		mg/Kg		111	77 - 127		
1,1,1-Trichloroethane			1.00	1.13		mg/Kg		113	73 - 121		
Trichloroethene			1.00	1.09		mg/Kg		109	77 - 120		
1,2,4-Trimethylbenzene			1.00	0.959		mg/Kg		96	80 - 121		
1,3,5-Trimethylbenzene			1.00	0.958		mg/Kg		96	79 - 120		
Vinyl chloride			1.00	0.955		mg/Kg		95	57 - 150		
Xylenes, Total			2.00	1.99		mg/Kg		100	72 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*62 - 150*
Dibromofluoromethane (Surr)	*112*		*54 - 150*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 150*
Toluene-d8 (Surr)	*101*		*68 - 148*

Lab Sample ID: LCSD 460-814905/5
Matrix: Solid
Analysis Batch: 814905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			5.00	4.54		mg/Kg		91	56 - 127	7	30
Benzene			1.00	0.934		mg/Kg		93	80 - 120	1	30
2-Butanone (MEK)			5.00	5.21		mg/Kg		104	65 - 131	4	30
Carbon tetrachloride			1.00	1.18		mg/Kg		118	68 - 123	0	30
Chlorobenzene			1.00	1.00		mg/Kg		100	80 - 120	0	30
Chloroform			1.00	1.04		mg/Kg		104	80 - 120	5	30
cis-1,2-Dichloroethene			1.00	1.05		mg/Kg		105	80 - 120	3	30
1,2-Dichlorobenzene			1.00	0.999		mg/Kg		100	80 - 120	1	30
1,3-Dichlorobenzene			1.00	1.02		mg/Kg		102	80 - 120	0	30
1,4-Dichlorobenzene			1.00	1.03		mg/Kg		103	80 - 120	0	30
1,1-Dichloroethane			1.00	0.964		mg/Kg		96	79 - 124	4	30
1,2-Dichloroethane			1.00	1.14		mg/Kg		114	62 - 132	2	30
1,1-Dichloroethene			1.00	0.997		mg/Kg		100	72 - 128	6	30
1,4-Dioxane			20.0	21.5		mg/Kg		108	80 - 126	2	30
Ethylbenzene			1.00	1.01		mg/Kg		101	72 - 121	1	30
Methylene Chloride			1.00	1.07		mg/Kg		107	74 - 127	3	30
Methyl tert-butyl ether			1.00	1.05		mg/Kg		105	77 - 125	2	30
n-Butylbenzene			1.00	0.978		mg/Kg		98	75 - 135	1	30
N-Propylbenzene			1.00	0.962		mg/Kg		96	79 - 122	1	30
sec-Butylbenzene			1.00	0.978		mg/Kg		98	77 - 128	0	30
tert-Butylbenzene			1.00	0.985		mg/Kg		98	76 - 123	3	30
Tetrachloroethene			1.00	1.17		mg/Kg		117	73 - 120	0	30
Toluene			1.00	0.996		mg/Kg		100	80 - 120	0	30
trans-1,2-Dichloroethene			1.00	1.06		mg/Kg		106	77 - 127	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814905/5
Matrix: Solid
Analysis Batch: 814905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			1.00	1.10		mg/Kg		110	73 - 121	3	30
Trichloroethene			1.00	1.07		mg/Kg		107	77 - 120	2	30
1,2,4-Trimethylbenzene			1.00	0.961		mg/Kg		96	80 - 121	0	30
1,3,5-Trimethylbenzene			1.00	0.957		mg/Kg		96	79 - 120	0	30
Vinyl chloride			1.00	0.919		mg/Kg		92	57 - 150	4	30
Xylenes, Total			2.00	1.96		mg/Kg		98	72 - 121	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*62 - 150*
Dibromofluoromethane (Surr)	*113*		*54 - 150*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 150*
Toluene-d8 (Surr)	*101*		*68 - 148*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-379450/1-A
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Phenol	ND		0.033	0.010	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
Pyridine	ND		0.067	0.018	mg/Kg		11/18/21 19:05	11/19/21 11:48	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/18/21 19:05	11/19/21 11:48	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-379450/1-A
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/18/21 19:05	11/19/21 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*11/18/21 19:05*	*11/19/21 11:48*	*1*
2-Fluorophenol (Surr)	*73*		*32 - 105*	*11/18/21 19:05*	*11/19/21 11:48*	*1*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*	*11/18/21 19:05*	*11/19/21 11:48*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*11/18/21 19:05*	*11/19/21 11:48*	*1*
Terphenyl-d14 (Surr)	*91*		*20 - 117*	*11/18/21 19:05*	*11/19/21 11:48*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*	*11/18/21 19:05*	*11/19/21 11:48*	*1*

Lab Sample ID: LCS 180-379450/2-A
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.504		mg/Kg		76	41 - 100
Acenaphthylene	0.667	0.505		mg/Kg		76	45 - 100
Anthracene	0.667	0.549		mg/Kg		82	47 - 100
Benzo[a]anthracene	0.667	0.576		mg/Kg		86	47 - 100
Benzo[a]pyrene	0.667	0.505		mg/Kg		76	45 - 101
Benzo[b]fluoranthene	0.667	0.530		mg/Kg		80	44 - 100
Benzo[g,h,i]perylene	0.667	0.485		mg/Kg		73	45 - 103
Benzo[k]fluoranthene	0.667	0.454		mg/Kg		68	43 - 100
Chrysene	0.667	0.524		mg/Kg		79	44 - 100
Dibenz(a,h)anthracene	0.667	0.522		mg/Kg		78	46 - 107
Dibenzofuran	0.667	0.499		mg/Kg		75	47 - 100
2,4-Dinitrotoluene	0.667	0.583		mg/Kg		87	48 - 106
1,4-Dioxane	0.667	0.539		mg/Kg		81	10 - 133
Fluoranthene	0.667	0.552		mg/Kg		83	49 - 102
Fluorene	0.667	0.512		mg/Kg		77	46 - 100
Hexachlorobenzene	0.667	0.510		mg/Kg		77	45 - 101
Hexachlorobutadiene	0.667	0.434		mg/Kg		65	38 - 110
Hexachloroethane	0.667	0.411		mg/Kg		62	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.528		mg/Kg		79	48 - 104
2-Methylphenol	0.667	0.478		mg/Kg		72	43 - 101
Methylphenol, 3 & 4	0.667	0.489		mg/Kg		73	43 - 104
Naphthalene	0.667	0.466		mg/Kg		70	43 - 100
Nitrobenzene	0.667	0.487		mg/Kg		73	43 - 107
Pentachlorophenol	1.33	1.12		mg/Kg		84	34 - 112
Phenanthrene	0.667	0.525		mg/Kg		79	46 - 100
Phenol	0.667	0.491		mg/Kg		74	42 - 103
Pyrene	0.667	0.535		mg/Kg		80	44 - 102
Pyridine	1.33	1.04		mg/Kg		78	25 - 109
2,4,5-Trichlorophenol	0.667	0.552		mg/Kg		83	47 - 108
2,4,6-Trichlorophenol	0.667	0.514		mg/Kg		77	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*35 - 105*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-379450/2-A
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379450

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	77		32 - 105
Nitrobenzene-d5 (Surr)	76		34 - 109
Phenol-d5 (Surr)	74		34 - 105
Terphenyl-d14 (Surr)	85		20 - 117
2,4,6-Tribromophenol (Surr)	85		20 - 119

Lab Sample ID: 180-130057-3 MS
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 379450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.026		0.742	0.546		mg/Kg	☼	70	41 - 100
Acenaphthylene	0.29		0.742	0.658		mg/Kg	☼	50	45 - 100
Anthracene	0.53	F1	0.742	0.689	F1	mg/Kg	☼	22	47 - 100
Benzo[a]anthracene	0.92	F1	0.742	0.870	F1	mg/Kg	☼	-7	47 - 100
Benzo[a]pyrene	0.64	F1	0.742	0.698	F1	mg/Kg	☼	7	45 - 101
Benzo[b]fluoranthene	0.87	F1	0.742	0.710	F1	mg/Kg	☼	-21	44 - 100
Benzo[g,h,i]perylene	0.59	F1	0.742	0.892	F1	mg/Kg	☼	41	45 - 103
Benzo[k]fluoranthene	0.27	F1	0.742	0.555	F1	mg/Kg	☼	38	43 - 100
Chrysene	0.76	F1	0.742	0.790	F1	mg/Kg	☼	4	44 - 100
Dibenz(a,h)anthracene	0.16		0.742	0.785		mg/Kg	☼	84	46 - 107
Dibenzofuran	0.052		0.742	0.547		mg/Kg	☼	67	47 - 100
2,4-Dinitrotoluene	ND		0.742	0.589		mg/Kg	☼	79	48 - 106
1,4-Dioxane	ND		0.742	0.394		mg/Kg	☼	53	10 - 133
Fluoranthene	1.7	E F1	0.742	1.00	F1	mg/Kg	☼	-92	49 - 102
Fluorene	0.084		0.742	0.570		mg/Kg	☼	66	46 - 100
Hexachlorobenzene	ND		0.742	0.509		mg/Kg	☼	69	45 - 101
Hexachlorobutadiene	ND		0.742	0.487		mg/Kg	☼	66	38 - 110
Hexachloroethane	ND		0.742	0.429		mg/Kg	☼	58	40 - 100
Indeno[1,2,3-cd]pyrene	0.58	F1	0.742	0.920	F1	mg/Kg	☼	46	48 - 104
2-Methylphenol	ND		0.742	0.466		mg/Kg	☼	63	43 - 101
Methylphenol, 3 & 4	ND		0.742	0.511		mg/Kg	☼	69	43 - 104
Naphthalene	0.094		0.742	0.557		mg/Kg	☼	62	43 - 100
Nitrobenzene	ND		0.742	0.541		mg/Kg	☼	73	43 - 107
Pentachlorophenol	ND		1.48	0.659		mg/Kg	☼	44	34 - 112
Phenanthrene	0.97	F1	0.742	0.706	F1	mg/Kg	☼	-35	46 - 100
Phenol	ND		0.742	0.520		mg/Kg	☼	70	42 - 103
Pyrene	1.4	F1	0.742	0.895	F1	mg/Kg	☼	-71	44 - 102
Pyridine	ND	F1	1.48	0.254	F1	mg/Kg	☼	17	25 - 109
2,4,5-Trichlorophenol	ND		0.742	0.548		mg/Kg	☼	74	47 - 108
2,4,6-Trichlorophenol	ND		0.742	0.518		mg/Kg	☼	70	47 - 108

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	68		35 - 105
2-Fluorophenol (Surr)	74		32 - 105
Nitrobenzene-d5 (Surr)	76		34 - 109
Phenol-d5 (Surr)	73		34 - 105
Terphenyl-d14 (Surr)	75		20 - 117

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-130057-3 MS
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 379450

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*

Lab Sample ID: 180-130057-3 MSD
Matrix: Solid
Analysis Batch: 379514

Client Sample ID: SSHS-IRM5A2-A2-A14C
Prep Type: Total/NA
Prep Batch: 379450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.026		0.757	0.538		mg/Kg	☼	68	41 - 100	1	22
Acenaphthylene	0.29		0.757	0.653		mg/Kg	☼	48	45 - 100	1	23
Anthracene	0.53	F1	0.757	0.696	F1	mg/Kg	☼	22	47 - 100	1	26
Benzo[a]anthracene	0.92	F1	0.757	0.860	F1	mg/Kg	☼	-8	47 - 100	1	24
Benzo[a]pyrene	0.64	F1	0.757	0.734	F1	mg/Kg	☼	12	45 - 101	5	21
Benzo[b]fluoranthene	0.87	F1	0.757	0.758	F1	mg/Kg	☼	-14	44 - 100	7	26
Benzo[g,h,i]perylene	0.59	F1	0.757	0.907	F1	mg/Kg	☼	42	45 - 103	2	22
Benzo[k]fluoranthene	0.27	F1	0.757	0.532	F1	mg/Kg	☼	35	43 - 100	4	18
Chrysene	0.76	F1	0.757	0.819	F1	mg/Kg	☼	7	44 - 100	4	26
Dibenz(a,h)anthracene	0.16		0.757	0.793		mg/Kg	☼	83	46 - 107	1	24
Dibenzofuran	0.052		0.757	0.544		mg/Kg	☼	65	47 - 100	1	19
2,4-Dinitrotoluene	ND		0.757	0.596		mg/Kg	☼	79	48 - 106	1	20
1,4-Dioxane	ND		0.757	0.366		mg/Kg	☼	48	10 - 133	7	40
Fluoranthene	1.7	E F1	0.757	1.01	F1	mg/Kg	☼	-88	49 - 102	1	26
Fluorene	0.084		0.757	0.564		mg/Kg	☼	63	46 - 100	1	22
Hexachlorobenzene	ND		0.757	0.551		mg/Kg	☼	73	45 - 101	8	27
Hexachlorobutadiene	ND		0.757	0.479		mg/Kg	☼	63	38 - 110	2	27
Hexachloroethane	ND		0.757	0.425		mg/Kg	☼	56	40 - 100	1	27
Indeno[1,2,3-cd]pyrene	0.58	F1	0.757	0.941	F1	mg/Kg	☼	47	48 - 104	2	22
2-Methylphenol	ND		0.757	0.458		mg/Kg	☼	60	43 - 101	2	27
Methylphenol, 3 & 4	ND		0.757	0.504		mg/Kg	☼	67	43 - 104	1	24
Naphthalene	0.094		0.757	0.544		mg/Kg	☼	59	43 - 100	2	28
Nitrobenzene	ND		0.757	0.527		mg/Kg	☼	70	43 - 107	3	28
Pentachlorophenol	ND		1.51	0.662		mg/Kg	☼	44	34 - 112	1	28
Phenanthrene	0.97	F1	0.757	0.716	F1	mg/Kg	☼	-33	46 - 100	1	27
Phenol	ND		0.757	0.516		mg/Kg	☼	68	42 - 103	1	30
Pyrene	1.4	F1	0.757	0.905	F1	mg/Kg	☼	-69	44 - 102	1	27
Pyridine	ND	F1	1.51	0.255	F1	mg/Kg	☼	17	25 - 109	0	31
2,4,5-Trichlorophenol	ND		0.757	0.544		mg/Kg	☼	72	47 - 108	1	19
2,4,6-Trichlorophenol	ND		0.757	0.511		mg/Kg	☼	68	47 - 108	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*35 - 105*
2-Fluorophenol (Surr)	*70*		*32 - 105*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*
Phenol-d5 (Surr)	*70*		*34 - 105*
Terphenyl-d14 (Surr)	*76*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-379456/1-A
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/19/21 08:45	11/22/21 17:36	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/19/21 08:45	11/22/21 17:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*11/19/21 08:45*	*11/22/21 17:36*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*11/19/21 08:45*	*11/22/21 17:36*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*11/19/21 08:45*	*11/22/21 17:36*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*11/19/21 08:45*	*11/22/21 17:36*	*1*

Lab Sample ID: LCS 180-379456/2-A
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	0.866		mg/Kg		65	43 - 136
PCB-1260	1.33	1.03		mg/Kg		77	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*

Lab Sample ID: MB 180-379457/1-A
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/19/21 09:20	11/23/21 01:23	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/19/21 09:20	11/23/21 01:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*11/19/21 09:20*	*11/23/21 01:23*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-379457/1-A
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379457

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	74	p	63 - 138	11/19/21 09:20	11/23/21 01:23	1
Tetrachloro-m-xylene (Surr)	77		55 - 135	11/19/21 09:20	11/23/21 01:23	1
Tetrachloro-m-xylene (Surr)	73		55 - 135	11/19/21 09:20	11/23/21 01:23	1

Lab Sample ID: LCS 180-379457/2-A
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379457

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	0.883		mg/Kg		66	43 - 136		
PCB-1260			1.33	1.04		mg/Kg		78	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	84		63 - 138
DCB Decachlorobiphenyl (Surr)	82		63 - 138
Tetrachloro-m-xylene (Surr)	78		55 - 135
Tetrachloro-m-xylene (Surr)	78		55 - 135

Lab Sample ID: 180-130057-15 MS
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: SSHS-IRM5A2-A2-A18C
Prep Type: Total/NA
Prep Batch: 379457

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.53	1.66		mg/Kg	☼	109	43 - 136		
PCB-1260	ND		1.53	1.69		mg/Kg	☼	110	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	105		63 - 138
DCB Decachlorobiphenyl (Surr)	108		63 - 138
Tetrachloro-m-xylene (Surr)	113		55 - 135
Tetrachloro-m-xylene (Surr)	107		55 - 135

Lab Sample ID: 180-130057-15 MSD
Matrix: Solid
Analysis Batch: 379709

Client Sample ID: SSHS-IRM5A2-A2-A18C
Prep Type: Total/NA
Prep Batch: 379457

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.51	1.55		mg/Kg	☼	102	43 - 136	7	40
PCB-1260	ND		1.51	1.60		mg/Kg	☼	106	55 - 128	6	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	100		63 - 138
DCB Decachlorobiphenyl (Surr)	103		63 - 138
Tetrachloro-m-xylene (Surr)	109		55 - 135
Tetrachloro-m-xylene (Surr)	103		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-379762/1-A
Matrix: Solid
Analysis Batch: 380016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Barium	ND		20	1.1	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Beryllium	ND		0.40	0.023	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Cadmium	ND		0.50	0.036	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Chromium	ND		0.50	0.41	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Copper	ND		2.5	2.3	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Lead	ND		1.0	0.51	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Manganese	ND		1.5	0.41	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Nickel	ND		4.0	0.25	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Selenium	ND		1.0	0.52	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Silver	ND		0.50	0.11	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Zinc	ND		2.0	1.6	mg/Kg		11/22/21 11:40	11/23/21 22:00	1

Lab Sample ID: LCS 180-379762/2-A
Matrix: Solid
Analysis Batch: 380016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	98.8		mg/Kg		99	80 - 120
Barium	100	98.3		mg/Kg		98	80 - 120
Beryllium	50.0	50.5		mg/Kg		101	80 - 120
Cadmium	50.0	48.7		mg/Kg		97	80 - 120
Chromium	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.5		mg/Kg		99	80 - 120
Lead	50.0	47.6		mg/Kg		95	80 - 120
Manganese	50.0	49.0		mg/Kg		98	80 - 120
Nickel	50.0	48.2		mg/Kg		96	80 - 120
Selenium	100	95.5		mg/Kg		96	80 - 120
Silver	25.0	24.3		mg/Kg		97	80 - 120
Zinc	25.0	24.5		mg/Kg		98	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-379466/1-A
Matrix: Solid
Analysis Batch: 379513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/19/21 04:32	11/19/21 08:14	1

Lab Sample ID: LCS 180-379466/2-A
Matrix: Solid
Analysis Batch: 379513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.422		mg/Kg		101	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-379752/1-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/22/21 09:59	11/23/21 17:24	1

Lab Sample ID: LCSI 180-379752/3-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379752

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	667		mg/Kg		94	80 - 120

Lab Sample ID: LCSS 180-379752/2-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379752

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.1		mg/Kg		80	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-379356/4-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/18/21 12:00	11/19/21 15:55	1

Lab Sample ID: HLCS 180-379356/2-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.268		mg/Kg		107	90 - 110

Lab Sample ID: LCS 180-379356/3-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	20.5		mg/Kg		89	17 - 163

Lab Sample ID: LLCS 180-379356/1-A
Matrix: Solid
Analysis Batch: 379751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379356

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0515		mg/Kg		103	90 - 110

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130057-1

Method: Moisture - Percent Moisture

Lab Sample ID: 180-130057-4 DU
Matrix: Solid
Analysis Batch: 814552

Client Sample ID: SSHS-IRM5A2-A2-A15A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.7			8.0	F3	%				45	20
Percent Solids	87.3			92.0		%				5	20

GC/MS VOA

Prep Batch: 814017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-5	SSHS-IRM5A2-A2-A15B	Total/NA	Solid	5035	
180-130057-7	SSHS-IRM5A2-A2-A16A	Total/NA	Solid	5035	
180-130057-8	SSHS-IRM5A2-A2-A16B	Total/NA	Solid	5035	

Prep Batch: 814025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-1	SSHS-IRM5A2-A2-A14A	Total/NA	Solid	5035	
180-130057-2	SSHS-IRM5A2-A2-A14B	Total/NA	Solid	5035	
180-130057-4	SSHS-IRM5A2-A2-A15A	Total/NA	Solid	5035	
180-130057-10	SSHS-IRM5A2-A2-A17A	Total/NA	Solid	5035	
180-130057-11	SSHS-IRM5A2-A2-A17B	Total/NA	Solid	5035	
180-130057-13	SSHS-IRM5A2-A2-A18A	Total/NA	Solid	5035	
180-130057-14	SSHS-IRM5A2-A2-A18B	Total/NA	Solid	5035	

Analysis Batch: 814565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-1	SSHS-IRM5A2-A2-A14A	Total/NA	Solid	8260D	814025
180-130057-2	SSHS-IRM5A2-A2-A14B	Total/NA	Solid	8260D	814025
180-130057-4	SSHS-IRM5A2-A2-A15A	Total/NA	Solid	8260D	814025
180-130057-10	SSHS-IRM5A2-A2-A17A	Total/NA	Solid	8260D	814025
180-130057-11	SSHS-IRM5A2-A2-A17B	Total/NA	Solid	8260D	814025
MB 460-814565/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-814565/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814565/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 814629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-14	SSHS-IRM5A2-A2-A18B	Total/NA	Solid	8260D	814025
MB 460-814629/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-814629/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814629/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 814887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-13	SSHS-IRM5A2-A2-A18A	Total/NA	Solid	8260D	814025
MB 460-814887/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-814887/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814887/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 814905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-5	SSHS-IRM5A2-A2-A15B	Total/NA	Solid	8260D	814017
180-130057-7	SSHS-IRM5A2-A2-A16A	Total/NA	Solid	8260D	814017
180-130057-8	SSHS-IRM5A2-A2-A16B	Total/NA	Solid	8260D	814017
MB 460-814905/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-814905/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814905/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 379450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3541	
180-130057-3 - DL	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3541	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	3541	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	3541	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	3541	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3541	
MB 180-379450/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379450/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-130057-3 MS	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3541	
180-130057-3 MSD	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3541	

Analysis Batch: 379514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 8270D LL	379450
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	EPA 8270D LL	379450
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	EPA 8270D LL	379450
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	EPA 8270D LL	379450
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 8270D LL	379450
MB 180-379450/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	379450
LCS 180-379450/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	379450
180-130057-3 MS	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 8270D LL	379450
180-130057-3 MSD	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 8270D LL	379450

Analysis Batch: 379614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3 - DL	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 8270D LL	379450

GC Semi VOA

Prep Batch: 379456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3541	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	3541	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	3541	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	3541	
MB 180-379456/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379456/2-A	Lab Control Sample	Total/NA	Solid	3541	

Prep Batch: 379457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3541	
MB 180-379457/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379457/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-130057-15 MS	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3541	
180-130057-15 MSD	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3541	

Cleanup Batch: 379698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3665A	379456
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	3665A	379456
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	3665A	379456

GC Semi VOA (Continued)

Cleanup Batch: 379698 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	3665A	379456

Cleanup Batch: 379699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3660B	379698
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	3660B	379698
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	3660B	379698
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	3660B	379698

Cleanup Batch: 379705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3665A	379457
180-130057-15 MS	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3665A	379457
180-130057-15 MSD	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3665A	379457

Cleanup Batch: 379706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3660B	379705
180-130057-15 MS	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3660B	379705
180-130057-15 MSD	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3660B	379705

Analysis Batch: 379709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 8082A	379699
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	EPA 8082A	379699
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 8082A	379706
MB 180-379456/1-A	Method Blank	Total/NA	Solid	EPA 8082A	379456
MB 180-379457/1-A	Method Blank	Total/NA	Solid	EPA 8082A	379457
LCS 180-379456/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	379456
LCS 180-379457/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	379457
180-130057-15 MS	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 8082A	379706
180-130057-15 MSD	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 8082A	379706

Analysis Batch: 379882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	EPA 8082A	379699
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	EPA 8082A	379699

Metals

Prep Batch: 379466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	7471B	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	7471B	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	7471B	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	7471B	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	7471B	
MB 180-379466/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-379466/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Metals

Analysis Batch: 379513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 7471B	379466
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	EPA 7471B	379466
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	EPA 7471B	379466
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	EPA 7471B	379466
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 7471B	379466
MB 180-379466/1-A	Method Blank	Total/NA	Solid	EPA 7471B	379466
LCS 180-379466/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	379466

Prep Batch: 379762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3050B	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	3050B	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	3050B	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	3050B	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3050B	
MB 180-379762/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-379762/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 380016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 6010C	379762
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	EPA 6010C	379762
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	EPA 6010C	379762
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	EPA 6010C	379762
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 6010C	379762
MB 180-379762/1-A	Method Blank	Total/NA	Solid	EPA 6010C	379762
LCS 180-379762/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	379762

General Chemistry

Prep Batch: 379356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	9010C	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	9010C	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	9010C	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	9010C	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	9010C	
MB 180-379356/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-379356/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-379356/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-379356/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 379384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	2540G	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	2540G	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	2540G	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	2540G	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 379751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 9014	379356
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	EPA 9014	379356
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	EPA 9014	379356
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	EPA 9014	379356
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 9014	379356
MB 180-379356/4-A	Method Blank	Total/NA	Solid	EPA 9014	379356
HLCS 180-379356/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379356
LCS 180-379356/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379356
LLCS 180-379356/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379356

Prep Batch: 379752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	3060A	
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	3060A	
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	3060A	
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	3060A	
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	3060A	
MB 180-379752/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379752/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379752/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 380006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-3	SSHS-IRM5A2-A2-A14C	Total/NA	Solid	EPA 7196A	379752
180-130057-6	SSHS-IRM5A2-A2-A15C	Total/NA	Solid	EPA 7196A	379752
180-130057-9	SSHS-IRM5A2-A2-A16C	Total/NA	Solid	EPA 7196A	379752
180-130057-12	SSHS-IRM5A2-A2-A17C	Total/NA	Solid	EPA 7196A	379752
180-130057-15	SSHS-IRM5A2-A2-A18C	Total/NA	Solid	EPA 7196A	379752
MB 180-379752/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379752
LCSI 180-379752/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379752
LCSS 180-379752/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379752

Analysis Batch: 814552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-1	SSHS-IRM5A2-A2-A14A	Total/NA	Solid	Moisture	
180-130057-2	SSHS-IRM5A2-A2-A14B	Total/NA	Solid	Moisture	
180-130057-4	SSHS-IRM5A2-A2-A15A	Total/NA	Solid	Moisture	
180-130057-4 DU	SSHS-IRM5A2-A2-A15A	Total/NA	Solid	Moisture	

Analysis Batch: 814553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130057-5	SSHS-IRM5A2-A2-A15B	Total/NA	Solid	Moisture	
180-130057-7	SSHS-IRM5A2-A2-A16A	Total/NA	Solid	Moisture	
180-130057-8	SSHS-IRM5A2-A2-A16B	Total/NA	Solid	Moisture	
180-130057-10	SSHS-IRM5A2-A2-A17A	Total/NA	Solid	Moisture	
180-130057-11	SSHS-IRM5A2-A2-A17B	Total/NA	Solid	Moisture	
180-130057-13	SSHS-IRM5A2-A2-A18A	Total/NA	Solid	Moisture	
180-130057-14	SSHS-IRM5A2-A2-A18B	Total/NA	Solid	Moisture	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X					5	

180-130057 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1).
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Stelmach	11/16/21 16:30	Company: Geosyntec		11/17/21 1000	EPA PM
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 11/16/21 16:30	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Aron Krasnopoler	M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-130057 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mia Stelmach	11/16/21 1630	Geosyntec		11-17-21 1100	EETSc.
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652168 | Cooler Temperature(s) °C and Other Remarks: 1.6

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11/24/2021

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	11/16/21 16:30	Company: Geosyntec	[signature]	11-17-21 1100	EETSac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652168 | Cooler Temperature(s) °C and Other Remarks: 1.6

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11/24/2021

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/24/2021

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing | TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/24/2021

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

SHORT HOLD

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Ca…/s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Reque…		Job #: 180- 130057
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-130057 Chain of Custody

I - Ice; J - DI Water; K - EDTA; L - EDA; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A14A	11/16/21	1115	G	S	N	N	X											1	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A14B	11/16/21	1115	G	S	N	N	X											2	4	
SSHS-IRM5A2-A2-A14C	11/16/21	1115	C	S	N	N		X	X	X	X	X	X	X				3	5	
SSHS-IRM5A2-A2-A15A	11/16/21	1200	G	S	N	N	X											4	4	
SSHS-IRM5A2-A2-A15B	11/16/21	1200	G	S	N	N	X											5	4	
SSHS-IRM5A2-A2-A15C	11/16/21	1200	C	S	N	N		X	X	X	X	X	X	X				6	5	
SSHS-IRM5A2-A2-A16A	11/16/21	1230	G	S	N	N	X											7	4	
SSHS-IRM5A2-A2-A16B	11/16/21	1230	G	S	N	N	X											8	4	
SSHS-IRM5A2-A2-A16C	11/16/21	1230	C	S	N	N		X	X	X	X	X	X	X				9	5	
SSHS-IRM5A2-A2-A17A	11/16/21	1430	G	S	N	N	X											10	4	
SSHS-IRM5A2-A2-A17B	11/16/21	1430	G	S	N	N	X											11	4	
SSHS-IRM5A2-A2-A17C	11/16/21	1430	C	S	N	N		X	X	X	X	X	X	X				12	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Minde Herr	11/16/21 16:30		FedEx	11/17/21 11:00	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: ID#9 - 2.3=1.8

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A18A	11/16/21	14:45	G	S	N	N	X											13	4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A18B	11/16/21	14:45	G	S	N	N	X											14	4	
SSHS-IRM5A2-A2-A18C	11/16/21	14:45	C	S	N	N		X	X	X	X	X	X	X				15	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/16/21 / 16:30	Company: Geosyntec	Received by: FedEx / Via FedEx	11/17/21 11:00	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	ID#9 - 2.3 = 1.8

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-130057 Field Sheet

Tracking # : 7752 1609 6410

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 105 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 652168

Cooler ID: _____

Temp Observed: 1.6 °C Corrected: 1.6 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 11-17-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LB Date: 11/17/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: LB Date: 11/17/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130057-1

Login Number: 130057
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130126-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/26/2021 3:10:47 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130126-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130126-1

Receipt
The samples were received on 11/18/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3º C, 3.4º C, 4.1º C and 4.3º C.

GC/MS VOA
Method 8260D: The following samples were analyzed from the medium level, methanol preserved terracore to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A19A (180-130126-1), SSHS-IRM5A2-A2-A23A (180-130126-13), and SSHS-IRM5A2-DUP8B (180-130126-20). Elevated reporting limits (RLs) are provided.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A20A (180-130126-4) had several recoveries below the control limits and the RPD between the spikes for Trichloroethene above the control limits. The recoveries of the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A20B (180-130126-5) had the majority of recoveries below the control limits and the RPD between the spikes for Trichloroethene above the control limits. The recoveries of the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A23C (180-130126-15). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The following samples were diluted due to the nature of the sample matrix(the sample extracts were extremely viscous): SSHS-IRM5A2-A2-A19C (180-130126-3), SSHS-IRM5A2-A2-A21C (180-130126-9), and SSHS-IRM5A2-DUP8C (180-130126-21). The surrogates were diluted out and elevated reporting limits (RLs) are provided.

Method 8270D LL: The following samples were diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A20C (180-130126-6) and its matrix spikes, SSHS-IRM5A2-A2-A22C (180-130126-12), and SSHS-IRM5A2-A2-A24C (180-130126-18). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A20C (180-130126-6) had several recoveries and the RPD between the spikes for 2,4,6-Trichlorophenol outside of the control limits. The recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A19C (180-130126-3) and SSHS-IRM5A2-A2-A23C (180-130126-15). Elevated reporting limits (RLs) are provided. The samples had the surrogates diluted out.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-380019 (CCV 180-380019/1) was below criteria for aroclor 1254 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-380019 (CCVIS 180-380019/5) was above criteria for aroclor 1260 for 1 peak on column RTX-CLP1. Associated sample results for aroclor 1260 did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-130126-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Metals

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A20C (180-130126-6) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A20C (180-130126-6) had the recoveries of mercury above the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130126-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130126-1	SSHS-IRM5A2-A2-A19A	Solid	11/17/21 13:05	11/18/21 11:00
180-130126-2	SSHS-IRM5A2-A2-A19B	Solid	11/17/21 13:05	11/18/21 11:00
180-130126-3	SSHS-IRM5A2-A2-A19C	Solid	11/17/21 13:00	11/18/21 11:00
180-130126-4	SSHS-IRM5A2-A2-A20A	Solid	11/17/21 13:15	11/18/21 11:00
180-130126-5	SSHS-IRM5A2-A2-A20B	Solid	11/17/21 13:15	11/18/21 11:00
180-130126-6	SSHS-IRM5A2-A2-A20C	Solid	11/17/21 13:10	11/18/21 11:00
180-130126-7	SSHS-IRM5A2-A2-A21A	Solid	11/17/21 13:25	11/18/21 11:00
180-130126-8	SSHS-IRM5A2-A2-A21B	Solid	11/17/21 13:25	11/18/21 11:00
180-130126-9	SSHS-IRM5A2-A2-A21C	Solid	11/17/21 13:20	11/18/21 11:00
180-130126-10	SSHS-IRM5A2-A2-A22A	Solid	11/17/21 15:35	11/18/21 11:00
180-130126-11	SSHS-IRM5A2-A2-A22B	Solid	11/17/21 15:35	11/18/21 11:00
180-130126-12	SSHS-IRM5A2-A2-A22C	Solid	11/17/21 15:30	11/18/21 11:00
180-130126-13	SSHS-IRM5A2-A2-A23A	Solid	11/17/21 16:05	11/18/21 11:00
180-130126-14	SSHS-IRM5A2-A2-A23B	Solid	11/17/21 16:05	11/18/21 11:00
180-130126-15	SSHS-IRM5A2-A2-A23C	Solid	11/17/21 16:00	11/18/21 11:00
180-130126-16	SSHS-IRM5A2-A2-A24A	Solid	11/17/21 15:55	11/18/21 11:00
180-130126-17	SSHS-IRM5A2-A2-A24B	Solid	11/17/21 15:55	11/18/21 11:00
180-130126-18	SSHS-IRM5A2-A2-A24C	Solid	11/17/21 15:50	11/18/21 11:00
180-130126-19	SSHS-IRM5A2-DUP8A	Solid	11/17/21 00:00	11/18/21 11:00
180-130126-20	SSHS-IRM5A2-DUP8B	Solid	11/17/21 00:00	11/18/21 11:00
180-130126-21	SSHS-IRM5A2-DUP8C	Solid	11/17/21 00:00	11/18/21 11:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL EDI
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-A2-A19A
Lab Sample ID: 180-130126-1
Date Collected: 11/17/21 13:05
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A19A
Lab Sample ID: 180-130126-1
Date Collected: 11/17/21 13:05
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.027 g	5 mL	814271	11/19/21 09:52	YXG	TAL EDI
Total/NA	Analysis	8260D		50	5 mL	5 mL	814992	11/24/21 06:02	MZS	TAL EDI
	Instrument ID: CVOAMS12									

Client Sample ID: SSHS-IRM5A2-A2-A19B
Lab Sample ID: 180-130126-2
Date Collected: 11/17/21 13:05
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A19B
Lab Sample ID: 180-130126-2
Date Collected: 11/17/21 13:05
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.646 g	5 mL	814272	11/19/21 10:05	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 20:09	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A19C
Lab Sample ID: 180-130126-3
Date Collected: 11/17/21 13:00
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A19C
Lab Sample ID: 180-130126-3
Date Collected: 11/17/21 13:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		40	1 mL	1 mL	379934	11/23/21 16:40	VVP	TAL PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-A2-A19C

Lab Sample ID: 180-130126-3
Date Collected: 11/17/21 13:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		100			380019	11/24/21 08:18	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.25 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:41	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:21	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:10	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 17:43	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A20A

Lab Sample ID: 180-130126-4
Date Collected: 11/17/21 13:15
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A20A

Lab Sample ID: 180-130126-4
Date Collected: 11/17/21 13:15
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.272 g	5 mL	814272	11/19/21 10:06	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 20:32	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A20B

Lab Sample ID: 180-130126-5
Date Collected: 11/17/21 13:15
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-A2-A20B

Lab Sample ID: 180-130126-5
Date Collected: 11/17/21 13:15
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.138 g	5 mL	814272	11/19/21 10:09	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 20:54	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A20C

Lab Sample ID: 180-130126-6
Date Collected: 11/17/21 13:10
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A20C

Lab Sample ID: 180-130126-6
Date Collected: 11/17/21 13:10
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	379934	11/23/21 15:34	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379927	11/23/21 11:22	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.54 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 22:45	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:22	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.46 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:05	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 17:45	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A21A

Lab Sample ID: 180-130126-7
Date Collected: 11/17/21 13:25
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A21A — Lab Sample ID: 180-130126-7

Date Collected: 11/17/21 13:25 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.926 g	5 mL	814272	11/19/21 10:12	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 21:17	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A21B — Lab Sample ID: 180-130126-8

Date Collected: 11/17/21 13:25 — **Matrix: Solid**
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A21B — Lab Sample ID: 180-130126-8

Date Collected: 11/17/21 13:25 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.693 g	5 mL	814272	11/19/21 10:13	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 23:53	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A21C — Lab Sample ID: 180-130126-9

Date Collected: 11/17/21 13:20 — **Matrix: Solid**
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A21C — Lab Sample ID: 180-130126-9

Date Collected: 11/17/21 13:20 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		40	1 mL	1 mL	379934	11/23/21 17:02	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379927	11/23/21 13:13	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.29 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:16	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: SSHS-IRM5A2-A2-A21C — Lab Sample ID: 180-130126-9

Date Collected: 11/17/21 13:20 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:33	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.45 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:11	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 17:54	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A22A — Lab Sample ID: 180-130126-10

Date Collected: 11/17/21 15:35 — **Matrix: Solid**
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A22A — Lab Sample ID: 180-130126-10

Date Collected: 11/17/21 15:35 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 88.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.692 g	5 mL	814272	11/19/21 10:14	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 21:39	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A22B — Lab Sample ID: 180-130126-11

Date Collected: 11/17/21 15:35 — **Matrix: Solid**
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A22B — Lab Sample ID: 180-130126-11

Date Collected: 11/17/21 15:35 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.807 g	5 mL	814272	11/19/21 10:16	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814713	11/22/21 11:46	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A22C — Lab Sample ID: 180-130126-12

Date Collected: 11/17/21 15:30 — **Matrix: Solid**
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A22C — Lab Sample ID: 180-130126-12

Date Collected: 11/17/21 15:30 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	379934	11/23/21 17:23	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379927	11/23/21 13:32	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.26 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:21	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:34	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:13	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 17:55	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A23A — Lab Sample ID: 180-130126-13

Date Collected: 11/17/21 16:05 — **Matrix: Solid**
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A23A — Lab Sample ID: 180-130126-13

Date Collected: 11/17/21 16:05 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 92.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.143 g	5 mL	814271	11/19/21 09:57	YXG	TAL EDI
Total/NA	Analysis	8260D		50	5 mL	5 mL	814992	11/24/21 06:27	MZS	TAL EDI
	Instrument ID: CVOAMS12									

Client Sample ID: SSHS-IRM5A2-A2-A23B
Date Collected: 11/17/21 16:05
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A23B
Date Collected: 11/17/21 16:05
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-14
Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.984 g	5 mL	814272	11/19/21 10:17	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 22:24	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A23C
Date Collected: 11/17/21 16:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A23C
Date Collected: 11/17/21 16:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-15
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	379934	11/23/21 17:45	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		100			380019	11/24/21 08:35	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.50 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:26	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:35	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:14	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 17:57	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-A2-A24A
Date Collected: 11/17/21 15:55
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A24A
Date Collected: 11/17/21 15:55
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-16
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.917 g	5 mL	814272	11/19/21 10:18	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814713	11/22/21 11:23	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A24B
Date Collected: 11/17/21 15:55
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A24B
Date Collected: 11/17/21 15:55
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-17
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.373 g	5 mL	814272	11/19/21 10:19	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 23:08	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A24C
Date Collected: 11/17/21 15:50
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A24C
Date Collected: 11/17/21 15:50
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-18
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	379934	11/23/21 18:07	VVP	TAL PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-A2-A24C

Lab Sample ID: 180-130126-18
Date Collected: 11/17/21 15:50
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379927	11/23/21 14:09	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.72 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:30	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.83 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:36	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:15	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 17:59	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-DUP8A

Lab Sample ID: 180-130126-19
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP8A

Lab Sample ID: 180-130126-19
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.734 g	5 mL	814272	11/19/21 10:20	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/21/21 23:31	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-DUP8B

Lab Sample ID: 180-130126-20
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			814670	11/21/21 22:55	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-DUP8B

Lab Sample ID: 180-130126-20
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.669 g	5 mL	814271	11/19/21 10:00	YXG	TAL EDI
Total/NA	Analysis	8260D		50	5 mL	5 mL	814992	11/24/21 06:52	MZS	TAL EDI
	Instrument ID: CVOAMS12									

Client Sample ID: SSHS-IRM5A2-DUP8C

Lab Sample ID: 180-130126-21
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379555	11/19/21 12:24	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP8C

Lab Sample ID: 180-130126-21
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		30	1 mL	1 mL	379934	11/23/21 18:29	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	379595	11/19/21 19:46	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	379919	11/23/21 08:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	379921	11/23/21 08:57	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			379927	11/23/21 14:28	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.38 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:35	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.79 g	100 mL	379466	11/19/21 04:32	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379513	11/19/21 08:37	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:18	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 18:00	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Analyst References:

Lab: TAL EDI
- Batch Type: Prep
  - YXG = Yong Gao
- Batch Type: Analysis
  - EMM = Eddie Martinez
  - MIE = Mohab Elnagaa
  - MZS = Margaret Starzec

Lab: TAL PIT
- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KFS = Kelly Shannon
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A19A — Lab Sample ID: 180-130126-1

Date Collected: 11/17/21 13:05 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 90.1**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.30	0.27	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Benzene	ND		0.061	0.012	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
2-Butanone (MEK)	ND		0.30	0.13	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Carbon tetrachloride	ND		0.061	0.020	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Chlorobenzene	ND		0.061	0.015	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Chloroform	ND		0.061	0.013	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
cis-1,2-Dichloroethene	**0.22**		0.061	0.016	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,2-Dichlorobenzene	ND		0.061	0.013	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,3-Dichlorobenzene	ND		0.061	0.020	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,4-Dichlorobenzene	ND		0.061	0.020	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,1-Dichloroethane	ND		0.061	0.015	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,2-Dichloroethane	**0.023**	**J**	0.061	0.015	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,1-Dichloroethene	ND		0.061	0.016	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,4-Dioxane	ND		3.0	1.7	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Ethylbenzene	**0.042**	**J**	0.061	0.018	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Methylene Chloride	ND		0.061	0.013	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Methyl tert-butyl ether	ND		0.061	0.013	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
n-Butylbenzene	ND		0.061	0.016	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
N-Propylbenzene	ND		0.061	0.018	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
sec-Butylbenzene	ND		0.061	0.019	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
tert-Butylbenzene	ND		0.061	0.017	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Tetrachloroethene	**1.6**		0.061	0.022	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Toluene	**0.32**		0.061	0.015	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
trans-1,2-Dichloroethene	ND		0.061	0.011	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,1,1-Trichloroethane	**0.38**		0.061	0.017	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Trichloroethene	**7.9**		0.061	0.013	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,2,4-Trimethylbenzene	**0.052**	**J**	0.061	0.014	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
1,3,5-Trimethylbenzene	**0.025**	**J**	0.061	0.015	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Vinyl chloride	ND		0.061	0.012	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50
Xylenes, Total	**0.43**		0.12	0.017	mg/Kg	☼	11/19/21 09:52	11/24/21 06:02	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*124*		*62 - 150*	*11/19/21 09:52*	*11/24/21 06:02*	*50*
Dibromofluoromethane (Surr)	*98*		*54 - 150*	*11/19/21 09:52*	*11/24/21 06:02*	*50*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 150*	*11/19/21 09:52*	*11/24/21 06:02*	*50*
Toluene-d8 (Surr)	*107*		*68 - 148*	*11/19/21 09:52*	*11/24/21 06:02*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**90.1**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A19B — Lab Sample ID: 180-130126-2

Date Collected: 11/17/21 13:05 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 71.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0055	0.0052	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Benzene	ND		0.00091	0.00024	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1

Client Sample ID: SSHS-IRM5A2-A2-A19B
Lab Sample ID: 180-130126-2
Date Collected: 11/17/21 13:05 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 71.5**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0046	0.00034	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Carbon tetrachloride	ND		0.00091	0.00035	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Chlorobenzene	ND		0.00091	0.00016	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Chloroform	ND		0.00091	0.00089	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
cis-1,2-Dichloroethene	**0.0010**		0.00091	0.00033	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,2-Dichlorobenzene	ND		0.00091	0.00033	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,3-Dichlorobenzene	ND		0.00091	0.00033	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,4-Dichlorobenzene	ND		0.00091	0.00021	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,1-Dichloroethane	ND		0.00091	0.00019	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,2-Dichloroethane	ND		0.00091	0.00027	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,1-Dichloroethene	ND		0.00091	0.00021	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,4-Dioxane	ND		0.018	0.0084	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Ethylbenzene	ND		0.00091	0.00018	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Methylene Chloride	ND		0.0018	0.0010	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Methyl tert-butyl ether	ND		0.00091	0.00047	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
n-Butylbenzene	ND		0.00091	0.00027	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
N-Propylbenzene	ND		0.00091	0.00016	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
sec-Butylbenzene	ND		0.00091	0.00026	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
tert-Butylbenzene	ND		0.00091	0.00025	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Tetrachloroethene	**0.0058**		0.00091	0.00028	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Toluene	**0.00024**	**J**	0.00091	0.00021	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
trans-1,2-Dichloroethene	ND		0.00091	0.00022	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,1,1-Trichloroethane	**0.00054**	**J**	0.00091	0.00021	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Trichloroethene	**0.021**		0.00091	0.00029	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,2,4-Trimethylbenzene	ND		0.00091	0.00022	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
1,3,5-Trimethylbenzene	ND		0.00091	0.00029	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Vinyl chloride	ND		0.00091	0.00050	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1
Xylenes, Total	ND		0.0018	0.00059	mg/Kg	☼	11/19/21 10:05	11/21/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 139*	*11/19/21 10:05*	*11/21/21 20:09*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/19/21 10:05*	*11/21/21 20:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*11/19/21 10:05*	*11/21/21 20:09*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*11/19/21 10:05*	*11/21/21 20:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**28.5**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**71.5**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A19C
Lab Sample ID: 180-130126-3
Date Collected: 11/17/21 13:00 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 89.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.30	0.085	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Acenaphthylene	**3.0**		0.30	0.064	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Anthracene	**1.3**		0.30	0.076	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Benzo[a]anthracene	**5.3**		0.30	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40

Client: Geosyntec Consultants, Inc.
Job ID: 180-130126-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A19C
Lab Sample ID: 180-130126-3
Date Collected: 11/17/21 13:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**4.1**		0.30	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Benzo[b]fluoranthene	**5.8**		0.30	0.072	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Benzo[g,h,i]perylene	**4.1**		0.30	0.064	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Benzo[k]fluoranthene	**2.1**		0.30	0.088	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Chrysene	**5.7**		0.30	0.16	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Dibenz(a,h)anthracene	**1.2**		0.30	0.19	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Dibenzofuran	ND		1.5	0.54	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
2,4-Dinitrotoluene	ND		1.5	0.88	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
1,4-Dioxane	ND		2.9	0.46	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Fluoranthene	**6.4**		0.30	0.078	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Fluorene	**0.17**	**J**	0.30	0.058	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Hexachlorobenzene	ND		0.30	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Hexachlorobutadiene	ND		0.30	0.086	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Hexachloroethane	ND		1.5	0.52	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Indeno[1,2,3-cd]pyrene	**3.8**		0.30	0.15	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
2-Methylphenol	ND		1.5	0.42	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Methylphenol, 3 & 4	ND		1.5	0.43	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Naphthalene	**0.38**		0.30	0.057	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Nitrobenzene	ND		2.9	0.54	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Pentachlorophenol	ND		7.5	2.4	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Phenanthrene	**3.1**		0.30	0.079	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Phenol	ND		1.5	0.45	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Pyrene	**7.7**		0.30	0.070	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
Pyridine	ND		3.0	0.79	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
2,4,5-Trichlorophenol	ND		1.5	0.51	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40
2,4,6-Trichlorophenol	ND		1.5	0.49	mg/Kg	☼	11/22/21 18:47	11/23/21 16:40	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*S1- D*	*35 - 105*	*11/22/21 18:47*	*11/23/21 16:40*	*40*
2-Fluorophenol (Surr)	*0*	*S1- D*	*32 - 105*	*11/22/21 18:47*	*11/23/21 16:40*	*40*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*34 - 109*	*11/22/21 18:47*	*11/23/21 16:40*	*40*
Phenol-d5 (Surr)	*0*	*S1- D*	*34 - 105*	*11/22/21 18:47*	*11/23/21 16:40*	*40*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*20 - 117*	*11/22/21 18:47*	*11/23/21 16:40*	*40*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*20 - 119*	*11/22/21 18:47*	*11/23/21 16:40*	*40*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.8	0.60	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1221	ND		1.8	0.65	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1232	ND		1.8	0.45	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1242	ND		1.8	0.27	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1248	**270**		1.8	0.44	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1254	**63**		1.8	0.55	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1260	**6.1**		1.8	0.52	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1262	ND		1.8	0.65	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100
PCB-1268	ND		1.8	0.25	mg/Kg	☼	11/19/21 19:46	11/24/21 08:18	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*0*	*S1- D*	*63 - 138*	*11/19/21 19:46*	*11/24/21 08:18*	*100*
DCB Decachlorobiphenyl (Surr)	*0*	*S1- D*	*63 - 138*	*11/19/21 19:46*	*11/24/21 08:18*	*100*

Client Sample ID: SSHS-IRM5A2-A2-A19C — Lab Sample ID: 180-130126-3

Date Collected: 11/17/21 13:00 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 89.5**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*0*	*S1- D*	*55 - 135*	*11/19/21 19:46*	*11/24/21 08:18*	*100*
Tetrachloro-m-xylene (Surr)	*0*	*S1- D*	*55 - 135*	*11/19/21 19:46*	*11/24/21 08:18*	*100*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.6**		0.89	0.35	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Barium	**200**		18	0.96	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Beryllium	**0.37**		0.36	0.020	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Cadmium	**0.31**	**J**	0.45	0.033	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Chromium	**12**		0.45	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Copper	**60**		2.2	2.1	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Lead	**85**		0.89	0.46	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Manganese	**320**		1.3	0.36	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Nickel	**24**		3.6	0.22	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Selenium	ND		0.89	0.46	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Silver	ND		0.45	0.094	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1
Zinc	**150**		1.8	1.4	mg/Kg	☼	11/22/21 11:40	11/23/21 22:41	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.78**		0.032	0.020	mg/Kg	☼	11/19/21 04:32	11/19/21 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**89.5**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	11/22/21 10:33	11/23/21 18:10	1
Cyanide, Total	**1.1**		0.56	0.30	mg/Kg	☼	11/23/21 14:15	11/23/21 17:43	1

Client Sample ID: SSHS-IRM5A2-A2-A20A — Lab Sample ID: 180-130126-4

Date Collected: 11/17/21 13:15 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 89.1**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.048**		0.0064	0.0061	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Benzene	ND		0.0011	0.00027	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
2-Butanone (MEK)	ND	F1	0.0053	0.00039	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Carbon tetrachloride	ND		0.0011	0.00041	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Chlorobenzene	ND	F1	0.0011	0.00019	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Chloroform	ND		0.0011	0.0010	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
cis-1,2-Dichloroethene	ND	F1	0.0011	0.00038	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,2-Dichlorobenzene	ND	F1	0.0011	0.00038	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,3-Dichlorobenzene	ND	F1	0.0011	0.00039	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,4-Dichlorobenzene	ND	F1	0.0011	0.00024	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,1-Dichloroethane	ND		0.0011	0.00022	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,2-Dichloroethane	ND		0.0011	0.00031	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,1-Dichloroethene	ND		0.0011	0.00024	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,4-Dioxane	ND		0.021	0.0098	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Ethylbenzene	**0.00021**	**J F1**	0.0011	0.00021	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1

Client Sample ID: SSHS-IRM5A2-A2-A20A — Lab Sample ID: 180-130126-4

Date Collected: 11/17/21 13:15 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 89.1**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0021	0.0012	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Methyl tert-butyl ether	ND		0.0011	0.00054	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
n-Butylbenzene	ND	F1	0.0011	0.00031	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
N-Propylbenzene	ND	F1	0.0011	0.00019	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
sec-Butylbenzene	ND	F1	0.0011	0.00031	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
tert-Butylbenzene	ND	F1	0.0011	0.00029	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Tetrachloroethene	**0.00093**	**J F1**	0.0011	0.00032	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Toluene	**0.0038**	**F1**	0.0011	0.00025	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
trans-1,2-Dichloroethene	ND	F1	0.0011	0.00026	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,1,1-Trichloroethane	ND		0.0011	0.00025	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Trichloroethene	**0.0019**	**F2 F1**	0.0011	0.00034	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,2,4-Trimethylbenzene	ND	F1	0.0011	0.00026	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
1,3,5-Trimethylbenzene	ND	F1	0.0011	0.00033	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Vinyl chloride	ND		0.0011	0.00058	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1
Xylenes, Total	ND	F1	0.0021	0.00068	mg/Kg	☼	11/19/21 10:06	11/21/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/19/21 10:06*	*11/21/21 20:32*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/19/21 10:06*	*11/21/21 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*11/19/21 10:06*	*11/21/21 20:32*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*11/19/21 10:06*	*11/21/21 20:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**89.1**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A20B — Lab Sample ID: 180-130126-5

Date Collected: 11/17/21 13:15 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 89.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.017**		0.0055	0.0052	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Benzene	ND	F1	0.00091	0.00023	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
2-Butanone (MEK)	**0.0037**	**J F1**	0.0046	0.00033	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Carbon tetrachloride	ND	F1	0.00091	0.00035	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Chlorobenzene	ND	F1	0.00091	0.00016	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Chloroform	ND	F1	0.00091	0.00088	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
cis-1,2-Dichloroethene	**0.00038**	**J F1**	0.00091	0.00033	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,2-Dichlorobenzene	ND	F1	0.00091	0.00033	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,3-Dichlorobenzene	ND	F1	0.00091	0.00033	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,4-Dichlorobenzene	ND	F1	0.00091	0.00020	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,1-Dichloroethane	ND	F1	0.00091	0.00019	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,2-Dichloroethane	ND	F1	0.00091	0.00027	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,1-Dichloroethene	ND	F1	0.00091	0.00020	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,4-Dioxane	ND		0.018	0.0084	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Ethylbenzene	ND	F1	0.00091	0.00018	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Methylene Chloride	ND	F1	0.0018	0.0010	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Methyl tert-butyl ether	ND	F1	0.00091	0.00047	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1

Client Sample ID: SSHS-IRM5A2-A2-A20B

Lab Sample ID: 180-130126-5
Date Collected: 11/17/21 13:15
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	F1	0.00091	0.00027	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
N-Propylbenzene	ND	F1	0.00091	0.00016	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
sec-Butylbenzene	ND	F1	0.00091	0.00026	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
tert-Butylbenzene	ND	F1	0.00091	0.00025	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Tetrachloroethene	**0.0019**	**F1**	0.00091	0.00028	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Toluene	**0.0010**	**F1**	0.00091	0.00021	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
trans-1,2-Dichloroethene	ND	F1	0.00091	0.00022	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,1,1-Trichloroethane	ND	F1	0.00091	0.00021	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Trichloroethene	**0.0062**	**F2 F1**	0.00091	0.00029	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,2,4-Trimethylbenzene	ND	F1	0.00091	0.00022	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
1,3,5-Trimethylbenzene	ND	F1	0.00091	0.00029	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Vinyl chloride	ND		0.00091	0.00050	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1
Xylenes, Total	ND	F1	0.0018	0.00058	mg/Kg	☼	11/19/21 10:09	11/21/21 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/19/21 10:09*	*11/21/21 20:54*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/19/21 10:09*	*11/21/21 20:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*11/19/21 10:09*	*11/21/21 20:54*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*11/19/21 10:09*	*11/21/21 20:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**89.5**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A20C

Lab Sample ID: 180-130126-6
Date Collected: 11/17/21 13:10
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.075	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Acenaphthylene	**0.50**		0.075	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Anthracene	**0.23**		0.075	0.019	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Benzo[a]anthracene	**0.92**	**F1**	0.075	0.034	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Benzo[a]pyrene	**0.74**		0.075	0.033	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Benzo[b]fluoranthene	**1.2**		0.075	0.018	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Benzo[g,h,i]perylene	**0.83**		0.075	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Benzo[k]fluoranthene	**0.34**		0.075	0.023	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Chrysene	**0.99**	**F1**	0.075	0.042	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Dibenz(a,h)anthracene	**0.24**		0.075	0.048	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Dibenzofuran	ND		0.37	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
2,4-Dinitrotoluene	ND		0.37	0.22	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
1,4-Dioxane	ND	F1	0.75	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Fluoranthene	**1.0**	**F1**	0.075	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Fluorene	**0.041**	**J**	0.075	0.015	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Hexachlorobenzene	ND		0.075	0.027	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Hexachlorobutadiene	ND		0.075	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Hexachloroethane	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Indeno[1,2,3-cd]pyrene	**0.69**	**F1**	0.075	0.037	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10

Client Sample ID: SSHS-IRM5A2-A2-A20C
Date Collected: 11/17/21 13:10
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-6
Matrix: Solid
Percent Solids: 87.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Methylphenol, 3 & 4	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Naphthalene	**0.075**		0.075	0.015	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Nitrobenzene	ND		0.75	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Pentachlorophenol	ND		1.9	0.60	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Phenanthrene	**0.34**	**F1**	0.075	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Phenol	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Pyrene	**1.2**		0.075	0.018	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
Pyridine	ND	F1	0.75	0.20	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
2,4,5-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10
2,4,6-Trichlorophenol	ND	F2	0.37	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 15:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*11/22/21 18:47*	*11/23/21 15:34*	*10*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*11/22/21 18:47*	*11/23/21 15:34*	*10*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*11/22/21 18:47*	*11/23/21 15:34*	*10*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/22/21 18:47*	*11/23/21 15:34*	*10*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*11/22/21 18:47*	*11/23/21 15:34*	*10*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*	*11/22/21 18:47*	*11/23/21 15:34*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1248	**0.34**		0.019	0.0045	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1254	**0.15**		0.019	0.0057	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1260	**0.045**		0.019	0.0054	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/19/21 19:46	11/23/21 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*11/19/21 19:46*	*11/23/21 11:22*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*11/19/21 19:46*	*11/23/21 11:22*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*11/19/21 19:46*	*11/23/21 11:22*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*11/19/21 19:46*	*11/23/21 11:22*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**	**F1**	0.74	0.29	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Barium	**97**	**F1**	15	0.79	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Beryllium	**0.38**	**F1**	0.30	0.017	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Cadmium	**0.094**	**J F1**	0.37	0.027	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Chromium	**12**	**F1**	0.37	0.30	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Copper	**36**	**F1**	1.9	1.7	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Lead	**33**	**F1**	0.74	0.38	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Manganese	**340**		1.1	0.30	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Nickel	**20**	**F1**	3.0	0.18	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Selenium	**0.58**	**J F1**	0.74	0.38	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1

Client Sample ID: SSHS-IRM5A2-A2-A20C
Lab Sample ID: 180-130126-6
Date Collected: 11/17/21 13:10 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 87.7**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	F1	0.37	0.078	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1
Zinc	**75**		1.5	1.2	mg/Kg	☼	11/22/21 11:40	11/23/21 22:45	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.45**	**F1**	0.035	0.023	mg/Kg	☼	11/19/21 04:32	11/19/21 08:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.3**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**87.7**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/22/21 10:33	11/23/21 18:05	1
Cyanide, Total	**0.26**	**J**	0.48	0.26	mg/Kg	☼	11/23/21 14:15	11/23/21 17:45	1

Client Sample ID: SSHS-IRM5A2-A2-A21A
Lab Sample ID: 180-130126-7
Date Collected: 11/17/21 13:25 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 89.6**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.028**		0.0068	0.0065	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Benzene	ND		0.0011	0.00029	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
2-Butanone (MEK)	**0.0048**	**J**	0.0057	0.00042	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Carbon tetrachloride	ND		0.0011	0.00044	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Chlorobenzene	ND		0.0011	0.00020	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Chloroform	ND		0.0011	0.0011	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
cis-1,2-Dichloroethene	ND		0.0011	0.00041	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,2-Dichlorobenzene	ND		0.0011	0.00041	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,3-Dichlorobenzene	ND		0.0011	0.00041	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,4-Dichlorobenzene	ND		0.0011	0.00025	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,1-Dichloroethane	ND		0.0011	0.00023	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,2-Dichloroethane	ND		0.0011	0.00034	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,1-Dichloroethene	ND		0.0011	0.00025	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,4-Dioxane	ND		0.023	0.010	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Ethylbenzene	ND		0.0011	0.00023	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Methylene Chloride	ND		0.0023	0.0013	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Methyl tert-butyl ether	ND		0.0011	0.00058	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
n-Butylbenzene	ND		0.0011	0.00033	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
N-Propylbenzene	ND		0.0011	0.00020	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
sec-Butylbenzene	ND		0.0011	0.00033	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
tert-Butylbenzene	ND		0.0011	0.00031	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Tetrachloroethene	**0.0021**		0.0011	0.00035	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Toluene	**0.0060**		0.0011	0.00027	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
trans-1,2-Dichloroethene	ND		0.0011	0.00028	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,1,1-Trichloroethane	ND		0.0011	0.00026	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Trichloroethene	**0.0033**		0.0011	0.00036	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,2,4-Trimethylbenzene	ND		0.0011	0.00028	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
1,3,5-Trimethylbenzene	ND		0.0011	0.00036	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Vinyl chloride	ND		0.0011	0.00062	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1
Xylenes, Total	ND		0.0023	0.00073	mg/Kg	☼	11/19/21 10:12	11/21/21 21:17	1

Client Sample ID: SSHS-IRM5A2-A2-A21A — Lab Sample ID: 180-130126-7

Date Collected: 11/17/21 13:25 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 89.6**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*97*		*70 - 139*	*11/19/21 10:12*	*11/21/21 21:17*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/19/21 10:12*	*11/21/21 21:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*11/19/21 10:12*	*11/21/21 21:17*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*11/19/21 10:12*	*11/21/21 21:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.4**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**89.6**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A21B — Lab Sample ID: 180-130126-8

Date Collected: 11/17/21 13:25 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 91.6**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.027**		0.0058	0.0055	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Benzene	ND		0.00096	0.00025	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
2-Butanone (MEK)	**0.0038**	**J**	0.0048	0.00035	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Carbon tetrachloride	ND		0.00096	0.00037	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Chlorobenzene	ND		0.00096	0.00017	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Chloroform	ND		0.00096	0.00093	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
cis-1,2-Dichloroethene	**0.0045**		0.00096	0.00034	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,2-Dichlorobenzene	ND		0.00096	0.00035	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,3-Dichlorobenzene	ND		0.00096	0.00035	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,4-Dichlorobenzene	ND		0.00096	0.00022	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,1-Dichloroethane	ND		0.00096	0.00020	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,2-Dichloroethane	ND		0.00096	0.00028	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,1-Dichloroethene	ND		0.00096	0.00022	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,4-Dioxane	ND		0.019	0.0088	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Ethylbenzene	ND		0.00096	0.00019	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Methyl tert-butyl ether	ND		0.00096	0.00049	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
n-Butylbenzene	ND		0.00096	0.00028	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
N-Propylbenzene	ND		0.00096	0.00017	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
sec-Butylbenzene	ND		0.00096	0.00028	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
tert-Butylbenzene	ND		0.00096	0.00026	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Tetrachloroethene	**0.0031**		0.00096	0.00029	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Toluene	ND		0.00096	0.00022	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
trans-1,2-Dichloroethene	ND		0.00096	0.00024	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,1,1-Trichloroethane	**0.00048**	**J**	0.00096	0.00022	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Trichloroethene	**0.017**		0.00096	0.00031	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,2,4-Trimethylbenzene	ND		0.00096	0.00024	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
1,3,5-Trimethylbenzene	ND		0.00096	0.00030	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Vinyl chloride	ND		0.00096	0.00052	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1
Xylenes, Total	ND		0.0019	0.00062	mg/Kg	☼	11/19/21 10:13	11/21/21 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*95*		*70 - 139*	*11/19/21 10:13*	*11/21/21 23:53*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/19/21 10:13*	*11/21/21 23:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*11/19/21 10:13*	*11/21/21 23:53*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A21B — Lab Sample ID: 180-130126-8

Date Collected: 11/17/21 13:25 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 91.6**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*	*11/19/21 10:13*	*11/21/21 23:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**91.6**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A21C — Lab Sample ID: 180-130126-9

Date Collected: 11/17/21 13:20 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.30	0.086	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Acenaphthylene	**0.68**		0.30	0.066	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Anthracene	**0.28**	**J**	0.30	0.078	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Benzo[a]anthracene	**0.98**		0.30	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Benzo[a]pyrene	**0.75**		0.30	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Benzo[b]fluoranthene	**1.1**		0.30	0.074	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Benzo[g,h,i]perylene	**0.96**		0.30	0.065	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Benzo[k]fluoranthene	**0.63**		0.30	0.090	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Chrysene	**1.1**		0.30	0.17	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Dibenz(a,h)anthracene	**0.26**	**J**	0.30	0.19	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Dibenzofuran	ND		1.5	0.55	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
2,4-Dinitrotoluene	ND		1.5	0.90	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
1,4-Dioxane	ND		3.0	0.47	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Fluoranthene	**1.1**		0.30	0.079	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Fluorene	ND		0.30	0.059	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Hexachlorobenzene	ND		0.30	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Hexachlorobutadiene	ND		0.30	0.088	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Hexachloroethane	ND		1.5	0.53	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Indeno[1,2,3-cd]pyrene	**0.90**		0.30	0.15	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
2-Methylphenol	ND		1.5	0.43	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Methylphenol, 3 & 4	ND		1.5	0.44	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Naphthalene	**0.12**	**J**	0.30	0.058	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Nitrobenzene	ND		3.0	0.55	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Pentachlorophenol	ND		7.6	2.4	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Phenanthrene	**0.49**		0.30	0.081	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Phenol	ND		1.5	0.45	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Pyrene	**1.4**		0.30	0.071	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
Pyridine	ND		3.0	0.81	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
2,4,5-Trichlorophenol	ND		1.5	0.52	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40
2,4,6-Trichlorophenol	ND		1.5	0.50	mg/Kg	☼	11/22/21 18:47	11/23/21 17:02	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*0*	*S1- D*	*35 - 105*	*11/22/21 18:47*	*11/23/21 17:02*	*40*
2-Fluorophenol (Surr)	*0*	*S1- D*	*32 - 105*	*11/22/21 18:47*	*11/23/21 17:02*	*40*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*34 - 109*	*11/22/21 18:47*	*11/23/21 17:02*	*40*
Phenol-d5 (Surr)	*0*	*S1- D*	*34 - 105*	*11/22/21 18:47*	*11/23/21 17:02*	*40*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*20 - 117*	*11/22/21 18:47*	*11/23/21 17:02*	*40*

Client Sample ID: SSHS-IRM5A2-A2-A21C
Date Collected: 11/17/21 13:20
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-9
Matrix: Solid
Percent Solids: 87.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*20 - 119*	*11/22/21 18:47*	*11/23/21 17:02*	*40*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1248	**0.82**		0.019	0.0045	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1254	**0.42**		0.019	0.0057	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1260	**0.10**		0.019	0.0054	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/19/21 19:46	11/23/21 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*11/19/21 19:46*	*11/23/21 13:13*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*11/19/21 19:46*	*11/23/21 13:13*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*11/19/21 19:46*	*11/23/21 13:13*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*11/19/21 19:46*	*11/23/21 13:13*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.7**		0.89	0.35	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Barium	**150**		18	0.95	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Beryllium	**0.40**		0.36	0.020	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Cadmium	**0.15**	**J**	0.44	0.032	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Chromium	**11**		0.44	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Copper	**36**		2.2	2.0	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Lead	**47**		0.89	0.45	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Manganese	**300**		1.3	0.36	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Nickel	**21**		3.6	0.22	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Selenium	ND		0.89	0.46	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Silver	ND		0.44	0.094	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1
Zinc	**130**		1.8	1.4	mg/Kg	☼	11/22/21 11:40	11/23/21 23:16	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.60**		0.034	0.022	mg/Kg	☼	11/19/21 04:32	11/19/21 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**87.2**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/22/21 10:33	11/23/21 18:11	1
Cyanide, Total	**0.52**	**J**	0.55	0.30	mg/Kg	☼	11/23/21 14:15	11/23/21 17:54	1

Client Sample ID: SSHS-IRM5A2-A2-A22A
Lab Sample ID: 180-130126-10

Date Collected: 11/17/21 15:35
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 88.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.019**		0.0060	0.0057	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Benzene	ND		0.0010	0.00026	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Chloroform	ND		0.0010	0.00097	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,3-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,4-Dichlorobenzene	ND		0.0010	0.00022	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,1-Dichloroethene	ND		0.0010	0.00022	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Ethylbenzene	**0.00039**	**J**	0.0010	0.00020	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
N-Propylbenzene	ND		0.0010	0.00017	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Tetrachloroethene	**0.0031**		0.0010	0.00030	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Toluene	**0.0032**		0.0010	0.00023	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,1,1-Trichloroethane	**0.00047**	**J**	0.0010	0.00023	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Trichloroethene	**0.0063**		0.0010	0.00032	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg	☼	11/19/21 10:14	11/21/21 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 139*	*11/19/21 10:14*	*11/21/21 21:39*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/19/21 10:14*	*11/21/21 21:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/19/21 10:14*	*11/21/21 21:39*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*11/19/21 10:14*	*11/21/21 21:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.0**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**88.0**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A22B
Lab Sample ID: 180-130126-11

Date Collected: 11/17/21 15:35
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0081**		0.0059	0.0056	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Benzene	ND		0.00098	0.00025	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1

Client Sample ID: SSHS-IRM5A2-A2-A22B — Lab Sample ID: 180-130126-11

Date Collected: 11/17/21 15:35 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.7**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0049	0.00036	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Carbon tetrachloride	ND		0.00098	0.00038	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Chlorobenzene	ND		0.00098	0.00017	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Chloroform	ND		0.00098	0.00095	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
cis-1,2-Dichloroethene	**0.00044**	**J**	0.00098	0.00035	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,2-Dichlorobenzene	ND		0.00098	0.00035	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,3-Dichlorobenzene	ND		0.00098	0.00036	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,4-Dichlorobenzene	ND		0.00098	0.00022	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,1-Dichloroethane	ND		0.00098	0.00020	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,2-Dichloroethane	ND		0.00098	0.00029	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,1-Dichloroethene	ND		0.00098	0.00022	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,4-Dioxane	ND		0.020	0.0090	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Ethylbenzene	ND		0.00098	0.00020	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Methyl tert-butyl ether	ND		0.00098	0.00050	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
n-Butylbenzene	ND		0.00098	0.00029	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
N-Propylbenzene	ND		0.00098	0.00017	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
sec-Butylbenzene	ND		0.00098	0.00028	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
tert-Butylbenzene	ND		0.00098	0.00027	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Tetrachloroethene	**0.0026**		0.00098	0.00030	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Toluene	**0.0011**		0.00098	0.00023	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
trans-1,2-Dichloroethene	ND		0.00098	0.00024	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,1,1-Trichloroethane	**0.00027**	**J**	0.00098	0.00023	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Trichloroethene	**0.0062**		0.00098	0.00032	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,2,4-Trimethylbenzene	ND		0.00098	0.00024	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
1,3,5-Trimethylbenzene	ND		0.00098	0.00031	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Vinyl chloride	ND		0.00098	0.00054	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1
Xylenes, Total	ND		0.0020	0.00063	mg/Kg	☼	11/19/21 10:16	11/22/21 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 139*	*11/19/21 10:16*	*11/22/21 11:46*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/19/21 10:16*	*11/22/21 11:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/19/21 10:16*	*11/22/21 11:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*11/19/21 10:16*	*11/22/21 11:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.3**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**87.7**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A22C — Lab Sample ID: 180-130126-12

Date Collected: 11/17/21 15:30 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.017**	**J**	0.038	0.011	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Acenaphthylene	**0.57**		0.038	0.0082	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Anthracene	**0.30**		0.038	0.0097	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Benzo[a]anthracene	**1.1**		0.038	0.017	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-A2-A22C
Date Collected: 11/17/21 15:30
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-12
Matrix: Solid
Percent Solids: 87.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.88**		0.038	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Benzo[b]fluoranthene	**1.3**		0.038	0.0092	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Benzo[g,h,i]perylene	**1.0**		0.038	0.0081	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Benzo[k]fluoranthene	**0.50**		0.038	0.011	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Chrysene	**1.3**		0.038	0.021	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Dibenz(a,h)anthracene	**0.22**		0.038	0.024	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Dibenzofuran	ND		0.19	0.069	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
2,4-Dinitrotoluene	ND		0.19	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
1,4-Dioxane	ND		0.37	0.058	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Fluoranthene	**1.3**		0.038	0.0099	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Fluorene	**0.052**		0.038	0.0074	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Hexachlorobenzene	ND		0.038	0.013	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Hexachlorobutadiene	ND		0.038	0.011	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Hexachloroethane	ND		0.19	0.066	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Indeno[1,2,3-cd]pyrene	**0.91**		0.038	0.019	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
2-Methylphenol	ND		0.19	0.054	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Methylphenol, 3 & 4	**0.055**	**J**	0.19	0.055	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Naphthalene	**0.094**		0.038	0.0073	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Nitrobenzene	ND		0.37	0.069	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Pentachlorophenol	ND		0.96	0.30	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Phenanthrene	**0.44**		0.038	0.010	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Phenol	ND		0.19	0.057	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Pyrene	**1.6**		0.038	0.0089	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
Pyridine	ND		0.38	0.10	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
2,4,5-Trichlorophenol	ND		0.19	0.065	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5
2,4,6-Trichlorophenol	ND		0.19	0.062	mg/Kg	☼	11/22/21 18:47	11/23/21 17:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*11/22/21 18:47*	*11/23/21 17:23*	*5*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*11/22/21 18:47*	*11/23/21 17:23*	*5*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*	*11/22/21 18:47*	*11/23/21 17:23*	*5*
Phenol-d5 (Surr)	*71*		*34 - 105*	*11/22/21 18:47*	*11/23/21 17:23*	*5*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*11/22/21 18:47*	*11/23/21 17:23*	*5*
2,4,6-Tribromophenol (Surr)	*87*		*20 - 119*	*11/22/21 18:47*	*11/23/21 17:23*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1248	**3.0**		0.019	0.0046	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1254	**0.87**		0.019	0.0057	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1260	**0.13**		0.019	0.0054	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/19/21 19:46	11/23/21 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*11/19/21 19:46*	*11/23/21 13:32*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*11/19/21 19:46*	*11/23/21 13:32*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A22C

Lab Sample ID: 180-130126-12

Date Collected: 11/17/21 15:30
Date Received: 11/18/21 11:00

Matrix: Solid
Percent Solids: 87.3

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*11/19/21 19:46*	*11/23/21 13:32*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*11/19/21 19:46*	*11/23/21 13:32*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		0.91	0.36	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Barium	**78**		18	0.98	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Beryllium	**0.38**		0.36	0.021	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Cadmium	**0.071**	**J**	0.45	0.033	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Chromium	**10**		0.45	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Copper	**27**		2.3	2.1	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Lead	**26**		0.91	0.46	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Manganese	**320**		1.4	0.37	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Nickel	**16**		3.6	0.23	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Selenium	**0.57**	**J**	0.91	0.47	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Silver	ND		0.45	0.096	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1
Zinc	**57**		1.8	1.4	mg/Kg	☼	11/22/21 11:40	11/23/21 23:21	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.085**		0.028	0.018	mg/Kg	☼	11/19/21 04:32	11/19/21 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.7**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**87.3**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 10:33	11/23/21 18:13	1
Cyanide, Total	ND		0.48	0.26	mg/Kg	☼	11/23/21 14:15	11/23/21 17:55	1

Client Sample ID: SSHS-IRM5A2-A2-A23A

Lab Sample ID: 180-130126-13

Date Collected: 11/17/21 16:05
Date Received: 11/18/21 11:00

Matrix: Solid
Percent Solids: 92.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.29	0.25	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Benzene	ND		0.057	0.012	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
2-Butanone (MEK)	ND		0.29	0.13	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Carbon tetrachloride	ND		0.057	0.019	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Chlorobenzene	ND		0.057	0.014	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Chloroform	ND		0.057	0.013	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
cis-1,2-Dichloroethene	ND		0.057	0.015	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,2-Dichlorobenzene	ND		0.057	0.013	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,3-Dichlorobenzene	ND		0.057	0.019	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,4-Dichlorobenzene	ND		0.057	0.019	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,1-Dichloroethane	ND		0.057	0.014	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,2-Dichloroethane	ND		0.057	0.014	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,1-Dichloroethene	ND		0.057	0.015	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,4-Dioxane	ND		2.9	1.6	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Ethylbenzene	ND		0.057	0.017	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50

Client Sample ID: SSHS-IRM5A2-A2-A23A — Lab Sample ID: 180-130126-13

Date Collected: 11/17/21 16:05 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 92.0**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.057	0.012	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Methyl tert-butyl ether	ND		0.057	0.012	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
n-Butylbenzene	ND		0.057	0.015	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
N-Propylbenzene	ND		0.057	0.017	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
sec-Butylbenzene	ND		0.057	0.018	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
tert-Butylbenzene	ND		0.057	0.016	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Tetrachloroethene	**0.37**		0.057	0.021	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Toluene	**0.067**		0.057	0.014	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
trans-1,2-Dichloroethene	ND		0.057	0.010	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,1,1-Trichloroethane	**0.075**		0.057	0.016	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Trichloroethene	**1.3**		0.057	0.013	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,2,4-Trimethylbenzene	**0.042**	**J**	0.057	0.013	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
1,3,5-Trimethylbenzene	ND		0.057	0.014	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Vinyl chloride	ND		0.057	0.011	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50
Xylenes, Total	**0.10**	**J**	0.11	0.016	mg/Kg	☼	11/19/21 09:57	11/24/21 06:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*120*		*62 - 150*	*11/19/21 09:57*	*11/24/21 06:27*	*50*
Dibromofluoromethane (Surr)	*103*		*54 - 150*	*11/19/21 09:57*	*11/24/21 06:27*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 150*	*11/19/21 09:57*	*11/24/21 06:27*	*50*
Toluene-d8 (Surr)	*107*		*68 - 148*	*11/19/21 09:57*	*11/24/21 06:27*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**92.0**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A23B — Lab Sample ID: 180-130126-14

Date Collected: 11/17/21 16:05 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 88.7**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.012**		0.0057	0.0054	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Benzene	ND		0.00094	0.00024	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
2-Butanone (MEK)	ND		0.0047	0.00035	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Carbon tetrachloride	ND		0.00094	0.00036	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Chlorobenzene	ND		0.00094	0.00017	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Chloroform	ND		0.00094	0.00091	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
cis-1,2-Dichloroethene	ND		0.00094	0.00034	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,2-Dichlorobenzene	ND		0.00094	0.00034	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,3-Dichlorobenzene	ND		0.00094	0.00034	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,4-Dichlorobenzene	ND		0.00094	0.00021	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,1-Dichloroethane	ND		0.00094	0.00019	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,2-Dichloroethane	ND		0.00094	0.00028	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,1-Dichloroethene	ND		0.00094	0.00021	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,4-Dioxane	ND		0.019	0.0086	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Ethylbenzene	ND		0.00094	0.00019	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Methyl tert-butyl ether	ND		0.00094	0.00048	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1

Client Sample ID: SSHS-IRM5A2-A2-A23B

Lab Sample ID: 180-130126-14
Date Collected: 11/17/21 16:05
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 88.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.00094	0.00028	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
N-Propylbenzene	ND		0.00094	0.00016	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
sec-Butylbenzene	ND		0.00094	0.00027	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
tert-Butylbenzene	ND		0.00094	0.00026	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Tetrachloroethene	**0.0018**		0.00094	0.00029	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Toluene	**0.0033**		0.00094	0.00022	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
trans-1,2-Dichloroethene	ND		0.00094	0.00023	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,1,1-Trichloroethane	**0.00033**	**J**	0.00094	0.00022	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Trichloroethene	**0.0028**		0.00094	0.00030	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,2,4-Trimethylbenzene	ND		0.00094	0.00023	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
1,3,5-Trimethylbenzene	ND		0.00094	0.00030	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Vinyl chloride	ND		0.00094	0.00051	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1
Xylenes, Total	ND		0.0019	0.00060	mg/Kg	☼	11/19/21 10:17	11/21/21 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/19/21 10:17*	*11/21/21 22:24*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/19/21 10:17*	*11/21/21 22:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*11/19/21 10:17*	*11/21/21 22:24*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*11/19/21 10:17*	*11/21/21 22:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.3**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**88.7**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A23C

Lab Sample ID: 180-130126-15
Date Collected: 11/17/21 16:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.11**		0.076	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Acenaphthylene	**2.9**		0.076	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Anthracene	**1.6**		0.076	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Benzo[a]anthracene	**6.5**		0.076	0.034	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Benzo[a]pyrene	**4.9**		0.076	0.033	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Benzo[b]fluoranthene	**7.1**		0.076	0.018	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Benzo[g,h,i]perylene	**4.9**		0.076	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Benzo[k]fluoranthene	**2.2**		0.076	0.023	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Chrysene	**6.8**		0.076	0.042	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Dibenz(a,h)anthracene	**1.2**		0.076	0.048	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Dibenzofuran	ND		0.37	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
2,4-Dinitrotoluene	ND		0.37	0.22	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
1,4-Dioxane	ND		0.75	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Fluoranthene	**8.4**		0.076	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Fluorene	**0.28**		0.076	0.015	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Hexachlorobenzene	ND		0.076	0.027	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Hexachlorobutadiene	ND		0.076	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Hexachloroethane	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Indeno[1,2,3-cd]pyrene	**4.0**		0.076	0.037	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10

Client Sample ID: SSHS-IRM5A2-A2-A23C
Date Collected: 11/17/21 16:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-15
Matrix: Solid
Percent Solids: 87.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Methylphenol, 3 & 4	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Naphthalene	**0.34**		0.076	0.015	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Nitrobenzene	ND		0.75	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Pentachlorophenol	ND		1.9	0.60	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Phenanthrene	**2.4**		0.076	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Phenol	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Pyrene	**9.8**		0.076	0.018	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
Pyridine	ND		0.76	0.20	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
2,4,5-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10
2,4,6-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 17:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*11/22/21 18:47*	*11/23/21 17:45*	*10*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*11/22/21 18:47*	*11/23/21 17:45*	*10*
Nitrobenzene-d5 (Surr)	*78*		*34 - 109*	*11/22/21 18:47*	*11/23/21 17:45*	*10*
Phenol-d5 (Surr)	*67*		*34 - 105*	*11/22/21 18:47*	*11/23/21 17:45*	*10*
Terphenyl-d14 (Surr)	*93*		*20 - 117*	*11/22/21 18:47*	*11/23/21 17:45*	*10*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*	*11/22/21 18:47*	*11/23/21 17:45*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.9	0.61	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1221	ND		1.9	0.67	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1232	ND		1.9	0.46	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1242	ND		1.9	0.28	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1248	**77**		1.9	0.45	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1254	**19**		1.9	0.56	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1260	**1.8**	**J**	1.9	0.53	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1262	ND		1.9	0.66	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100
PCB-1268	ND		1.9	0.25	mg/Kg	☼	11/19/21 19:46	11/24/21 08:35	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*0*	*S1- D*	*63 - 138*	*11/19/21 19:46*	*11/24/21 08:35*	*100*
DCB Decachlorobiphenyl (Surr)	*0*	*S1- D*	*63 - 138*	*11/19/21 19:46*	*11/24/21 08:35*	*100*
Tetrachloro-m-xylene (Surr)	*0*	*S1- D*	*55 - 135*	*11/19/21 19:46*	*11/24/21 08:35*	*100*
Tetrachloro-m-xylene (Surr)	*0*	*S1- D*	*55 - 135*	*11/19/21 19:46*	*11/24/21 08:35*	*100*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		0.76	0.30	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Barium	**150**		15	0.82	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Beryllium	**0.41**		0.30	0.017	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Cadmium	**0.19**	**J**	0.38	0.028	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Chromium	**11**		0.38	0.31	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Copper	**42**		1.9	1.8	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Lead	**43**		0.76	0.39	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Manganese	**590**		1.1	0.31	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Nickel	**20**		3.0	0.19	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Selenium	**0.76**		0.76	0.39	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1

Client Sample ID: SSHS-IRM5A2-A2-A23C
Lab Sample ID: 180-130126-15
Date Collected: 11/17/21 16:00 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 87.5**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.38	0.080	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1
Zinc	**91**		1.5	1.2	mg/Kg	☼	11/22/21 11:40	11/23/21 23:26	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**		0.034	0.022	mg/Kg	☼	11/19/21 04:32	11/19/21 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.5**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**87.5**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/22/21 10:33	11/23/21 18:14	1
Cyanide, Total	**0.35**	**J**	0.48	0.26	mg/Kg	☼	11/23/21 14:15	11/23/21 17:57	1

Client Sample ID: SSHS-IRM5A2-A2-A24A
Lab Sample ID: 180-130126-16
Date Collected: 11/17/21 15:55 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 87.2**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0088	0.0084	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Benzene	ND		0.0015	0.00038	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
2-Butanone (MEK)	ND		0.0073	0.00054	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Carbon tetrachloride	ND		0.0015	0.00057	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Chlorobenzene	ND		0.0015	0.00026	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Chloroform	ND		0.0015	0.0014	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
cis-1,2-Dichloroethene	ND		0.0015	0.00052	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,2-Dichlorobenzene	ND		0.0015	0.00053	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,3-Dichlorobenzene	ND		0.0015	0.00053	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,4-Dichlorobenzene	ND		0.0015	0.00033	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,1-Dichloroethane	ND		0.0015	0.00030	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,2-Dichloroethane	ND		0.0015	0.00043	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,1-Dichloroethene	ND		0.0015	0.00033	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,4-Dioxane	ND		0.029	0.013	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Ethylbenzene	ND		0.0015	0.00029	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Methylene Chloride	ND		0.0029	0.0017	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Methyl tert-butyl ether	ND		0.0015	0.00075	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
n-Butylbenzene	ND		0.0015	0.00043	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
N-Propylbenzene	ND		0.0015	0.00026	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
sec-Butylbenzene	ND		0.0015	0.00042	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
tert-Butylbenzene	ND		0.0015	0.00040	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Tetrachloroethene	ND		0.0015	0.00045	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Toluene	ND		0.0015	0.00034	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
trans-1,2-Dichloroethene	ND		0.0015	0.00036	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,1,1-Trichloroethane	ND		0.0015	0.00034	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Trichloroethene	**0.0019**		0.0015	0.00047	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,2,4-Trimethylbenzene	ND		0.0015	0.00036	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
1,3,5-Trimethylbenzene	ND		0.0015	0.00046	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Vinyl chloride	ND		0.0015	0.00080	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1
Xylenes, Total	ND		0.0029	0.00094	mg/Kg	☼	11/19/21 10:18	11/22/21 11:23	1

Client Sample ID: SSHS-IRM5A2-A2-A24A
Lab Sample ID: 180-130126-16
Date Collected: 11/17/21 15:55 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 87.2**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/19/21 10:18*	*11/22/21 11:23*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*11/19/21 10:18*	*11/22/21 11:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/19/21 10:18*	*11/22/21 11:23*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*11/19/21 10:18*	*11/22/21 11:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**87.2**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A24B
Lab Sample ID: 180-130126-17
Date Collected: 11/17/21 15:55 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 83.7**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.042**		0.0082	0.0078	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Benzene	ND		0.0014	0.00035	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
2-Butanone (MEK)	ND		0.0068	0.00050	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Carbon tetrachloride	ND		0.0014	0.00053	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Chlorobenzene	ND		0.0014	0.00024	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Chloroform	ND		0.0014	0.0013	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
cis-1,2-Dichloroethene	**0.0052**		0.0014	0.00049	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,2-Dichlorobenzene	ND		0.0014	0.00049	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,3-Dichlorobenzene	ND		0.0014	0.00050	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,4-Dichlorobenzene	ND		0.0014	0.00031	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,1-Dichloroethane	ND		0.0014	0.00028	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,2-Dichloroethane	ND		0.0014	0.00040	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,1-Dichloroethene	ND		0.0014	0.00031	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,4-Dioxane	ND		0.027	0.013	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Ethylbenzene	ND		0.0014	0.00027	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Methylene Chloride	ND		0.0027	0.0016	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Methyl tert-butyl ether	ND		0.0014	0.00070	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
n-Butylbenzene	ND		0.0014	0.00040	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
N-Propylbenzene	ND		0.0014	0.00024	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
sec-Butylbenzene	ND		0.0014	0.00039	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
tert-Butylbenzene	ND		0.0014	0.00038	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Tetrachloroethene	**0.0026**		0.0014	0.00042	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Toluene	**0.00084**	**J**	0.0014	0.00032	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
trans-1,2-Dichloroethene	ND		0.0014	0.00034	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,1,1-Trichloroethane	**0.00044**	**J**	0.0014	0.00032	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Trichloroethene	**0.0092**		0.0014	0.00044	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,2,4-Trimethylbenzene	ND		0.0014	0.00034	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
1,3,5-Trimethylbenzene	ND		0.0014	0.00043	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Vinyl chloride	ND		0.0014	0.00075	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1
Xylenes, Total	ND		0.0027	0.00088	mg/Kg	☼	11/19/21 10:19	11/21/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 139*	*11/19/21 10:19*	*11/21/21 23:08*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/19/21 10:19*	*11/21/21 23:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*11/19/21 10:19*	*11/21/21 23:08*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A24B — Lab Sample ID: 180-130126-17

Date Collected: 11/17/21 15:55 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 83.7**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*107*		*80 - 120*	*11/19/21 10:19*	*11/21/21 23:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.3**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**83.7**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-A2-A24C — Lab Sample ID: 180-130126-18

Date Collected: 11/17/21 15:50 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0047**	**J**	0.015	0.0043	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Acenaphthylene	**0.22**		0.015	0.0033	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Anthracene	**0.15**		0.015	0.0039	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Benzo[a]anthracene	**0.43**		0.015	0.0067	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Benzo[a]pyrene	**0.36**		0.015	0.0065	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Benzo[b]fluoranthene	**0.54**		0.015	0.0037	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Benzo[g,h,i]perylene	**0.48**		0.015	0.0032	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Benzo[k]fluoranthene	**0.17**		0.015	0.0045	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Chrysene	**0.44**		0.015	0.0083	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Dibenz(a,h)anthracene	**0.098**		0.015	0.0095	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Dibenzofuran	ND		0.074	0.027	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
2,4-Dinitrotoluene	ND		0.074	0.044	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Fluoranthene	**0.53**		0.015	0.0039	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Fluorene	**0.021**		0.015	0.0029	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Hexachlorobenzene	ND		0.015	0.0053	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Hexachlorobutadiene	ND		0.015	0.0044	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Hexachloroethane	ND		0.074	0.026	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Indeno[1,2,3-cd]pyrene	**0.37**		0.015	0.0074	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
2-Methylphenol	ND		0.074	0.021	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Methylphenol, 3 & 4	ND		0.074	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Naphthalene	**0.056**		0.015	0.0029	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Phenanthrene	**0.21**		0.015	0.0040	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Phenol	ND		0.074	0.023	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Pyrene	**0.57**		0.015	0.0035	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
Pyridine	ND		0.15	0.040	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
2,4,5-Trichlorophenol	ND		0.074	0.026	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2
2,4,6-Trichlorophenol	ND		0.074	0.025	mg/Kg	☼	11/22/21 18:47	11/23/21 18:07	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*88*		*35 - 105*	*11/22/21 18:47*	*11/23/21 18:07*	*2*
2-Fluorophenol (Surr)	*82*		*32 - 105*	*11/22/21 18:47*	*11/23/21 18:07*	*2*
Nitrobenzene-d5 (Surr)	*99*		*34 - 109*	*11/22/21 18:47*	*11/23/21 18:07*	*2*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/22/21 18:47*	*11/23/21 18:07*	*2*
Terphenyl-d14 (Surr)	*97*		*20 - 117*	*11/22/21 18:47*	*11/23/21 18:07*	*2*

Client Sample ID: SSHS-IRM5A2-A2-A24C
Lab Sample ID: 180-130126-18
Date Collected: 11/17/21 15:50 **Matrix: Solid**
Date Received: 11/18/21 11:00 **Percent Solids: 87.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*	*11/22/21 18:47*	*11/23/21 18:07*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1254	**0.46**		0.019	0.0056	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/19/21 19:46	11/23/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*11/19/21 19:46*	*11/23/21 14:09*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*11/19/21 19:46*	*11/23/21 14:09*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/19/21 19:46*	*11/23/21 14:09*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*11/19/21 19:46*	*11/23/21 14:09*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.3**		0.67	0.26	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Barium	**98**		13	0.72	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Beryllium	**0.29**		0.27	0.015	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Cadmium	**0.041**	**J**	0.33	0.024	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Chromium	**8.8**		0.33	0.27	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Copper	**28**		1.7	1.5	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Lead	**14**		0.67	0.34	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Manganese	**230**		1.0	0.27	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Nickel	**14**		2.7	0.17	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Selenium	ND		0.67	0.34	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Silver	ND		0.33	0.070	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1
Zinc	**44**		1.3	1.1	mg/Kg	☼	11/22/21 11:40	11/23/21 23:30	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.64**		0.027	0.018	mg/Kg	☼	11/19/21 04:32	11/19/21 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.9**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**87.1**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	11/22/21 10:33	11/23/21 18:15	1
Cyanide, Total	ND		0.55	0.30	mg/Kg	☼	11/23/21 14:15	11/23/21 17:59	1

Client Sample ID: SSHS-IRM5A2-DUP8A — Lab Sample ID: 180-130126-19

Date Collected: 11/17/21 00:00 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 86.0**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.022**		0.0061	0.0058	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Benzene	ND		0.0010	0.00026	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
2-Butanone (MEK)	ND		0.0051	0.00037	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Chloroform	ND		0.0010	0.00098	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,2-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,4-Dioxane	ND		0.020	0.0093	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Ethylbenzene	**0.00035**	**J**	0.0010	0.00020	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Methylene Chloride	ND		0.0020	0.0012	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Methyl tert-butyl ether	ND		0.0010	0.00052	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
n-Butylbenzene	ND		0.0010	0.00030	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Tetrachloroethene	**0.0022**		0.0010	0.00031	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Toluene	**0.0057**		0.0010	0.00024	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,1,1-Trichloroethane	**0.00061**	**J**	0.0010	0.00024	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Trichloroethene	**0.0052**		0.0010	0.00033	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00032	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1
Xylenes, Total	ND		0.0020	0.00065	mg/Kg	☼	11/19/21 10:20	11/21/21 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/19/21 10:20*	*11/21/21 23:31*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*11/19/21 10:20*	*11/21/21 23:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*11/19/21 10:20*	*11/21/21 23:31*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*	*11/19/21 10:20*	*11/21/21 23:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.0**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**86.0**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-DUP8B — Lab Sample ID: 180-130126-20

Date Collected: 11/17/21 00:00 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 90.0**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.27	0.24	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Benzene	ND		0.055	0.011	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50

Client Sample ID: SSHS-IRM5A2-DUP8B — Lab Sample ID: 180-130126-20

Date Collected: 11/17/21 00:00 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 90.0**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.27	0.12	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Carbon tetrachloride	ND		0.055	0.018	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Chlorobenzene	ND		0.055	0.013	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Chloroform	ND		0.055	0.012	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
cis-1,2-Dichloroethene	**0.050**	**J**	0.055	0.014	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,2-Dichlorobenzene	ND		0.055	0.012	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,3-Dichlorobenzene	ND		0.055	0.018	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,4-Dichlorobenzene	ND		0.055	0.018	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,1-Dichloroethane	ND		0.055	0.013	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,2-Dichloroethane	ND		0.055	0.014	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,1-Dichloroethene	ND		0.055	0.014	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,4-Dioxane	ND		2.7	1.5	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Ethylbenzene	ND		0.055	0.016	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Methylene Chloride	ND		0.055	0.011	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Methyl tert-butyl ether	ND		0.055	0.012	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
n-Butylbenzene	ND		0.055	0.015	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
N-Propylbenzene	ND		0.055	0.016	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
sec-Butylbenzene	ND		0.055	0.017	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
tert-Butylbenzene	ND		0.055	0.015	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Tetrachloroethene	**0.49**		0.055	0.020	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Toluene	**0.032**	**J**	0.055	0.014	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
trans-1,2-Dichloroethene	ND		0.055	0.0098	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,1,1-Trichloroethane	**0.040**	**J**	0.055	0.015	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Trichloroethene	**1.3**		0.055	0.012	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,2,4-Trimethylbenzene	**0.024**	**J**	0.055	0.013	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
1,3,5-Trimethylbenzene	ND		0.055	0.014	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Vinyl chloride	ND		0.055	0.011	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50
Xylenes, Total	**0.052**	**J**	0.11	0.015	mg/Kg	☼	11/19/21 10:00	11/24/21 06:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*122*		*62 - 150*	*11/19/21 10:00*	*11/24/21 06:52*	*50*
Dibromofluoromethane (Surr)	*104*		*54 - 150*	*11/19/21 10:00*	*11/24/21 06:52*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 150*	*11/19/21 10:00*	*11/24/21 06:52*	*50*
Toluene-d8 (Surr)	*109*		*68 - 148*	*11/19/21 10:00*	*11/24/21 06:52*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.0**		1.0	1.0	%			11/21/21 22:55	1
Percent Solids	**90.0**		1.0	1.0	%			11/21/21 22:55	1

Client Sample ID: SSHS-IRM5A2-DUP8C — Lab Sample ID: 180-130126-21

Date Collected: 11/17/21 00:00 — **Matrix: Solid**
Date Received: 11/18/21 11:00 — **Percent Solids: 87.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.22	0.064	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Acenaphthylene	**1.1**		0.22	0.049	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Anthracene	**0.91**		0.22	0.058	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Benzo[a]anthracene	**2.5**		0.22	0.10	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30

Client Sample ID: SSHS-IRM5A2-DUP8C
Date Collected: 11/17/21 00:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-21
Matrix: Solid
Percent Solids: 87.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**1.8**		0.22	0.097	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Benzo[b]fluoranthene	**2.4**		0.22	0.055	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Benzo[g,h,i]perylene	**1.9**		0.22	0.048	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Benzo[k]fluoranthene	**0.82**		0.22	0.067	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Chrysene	**2.4**		0.22	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Dibenz(a,h)anthracene	**0.43**		0.22	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Dibenzofuran	ND		1.1	0.41	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
2,4-Dinitrotoluene	ND		1.1	0.67	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
1,4-Dioxane	ND		2.2	0.35	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Fluoranthene	**3.8**		0.22	0.059	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Fluorene	**0.16**	**J**	0.22	0.044	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Hexachlorobenzene	ND		0.22	0.080	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Hexachlorobutadiene	ND		0.22	0.065	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Hexachloroethane	ND		1.1	0.39	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Indeno[1,2,3-cd]pyrene	**1.6**		0.22	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
2-Methylphenol	ND		1.1	0.32	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Methylphenol, 3 & 4	ND		1.1	0.33	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Naphthalene	**0.23**		0.22	0.043	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Nitrobenzene	ND		2.2	0.41	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Pentachlorophenol	ND		5.7	1.8	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Phenanthrene	**2.9**		0.22	0.060	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Phenol	ND		1.1	0.34	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Pyrene	**3.8**		0.22	0.053	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
Pyridine	ND		2.2	0.60	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
2,4,5-Trichlorophenol	ND		1.1	0.39	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30
2,4,6-Trichlorophenol	ND		1.1	0.37	mg/Kg	☼	11/22/21 18:47	11/23/21 18:29	30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*S1- D*	*35 - 105*	*11/22/21 18:47*	*11/23/21 18:29*	*30*
2-Fluorophenol (Surr)	*0*	*S1- D*	*32 - 105*	*11/22/21 18:47*	*11/23/21 18:29*	*30*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*34 - 109*	*11/22/21 18:47*	*11/23/21 18:29*	*30*
Phenol-d5 (Surr)	*0*	*S1- D*	*34 - 105*	*11/22/21 18:47*	*11/23/21 18:29*	*30*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*20 - 117*	*11/22/21 18:47*	*11/23/21 18:29*	*30*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*20 - 119*	*11/22/21 18:47*	*11/23/21 18:29*	*30*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1248	**1.3**		0.019	0.0045	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1254	**0.57**		0.019	0.0056	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1260	**0.14**		0.019	0.0053	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/19/21 19:46	11/23/21 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*11/19/21 19:46*	*11/23/21 14:28*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*11/19/21 19:46*	*11/23/21 14:28*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

Client Sample ID: SSHS-IRM5A2-DUP8C

Date Collected: 11/17/21 00:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-21

Matrix: Solid
Percent Solids: 87.4

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*11/19/21 19:46*	*11/23/21 14:28*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*11/19/21 19:46*	*11/23/21 14:28*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		0.83	0.32	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Barium	**310**		17	0.89	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Beryllium	**0.36**		0.33	0.019	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Cadmium	**0.14**	**J**	0.41	0.030	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Chromium	**11**		0.41	0.34	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Copper	**35**		2.1	1.9	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Lead	**38**		0.83	0.42	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Manganese	**300**		1.2	0.34	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Nickel	**19**		3.3	0.21	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Selenium	ND		0.83	0.43	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Silver	ND		0.41	0.087	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1
Zinc	**96**		1.7	1.3	mg/Kg	☼	11/22/21 11:40	11/23/21 23:35	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.77**		0.029	0.018	mg/Kg	☼	11/19/21 04:32	11/19/21 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.6**		0.1	0.1	%			11/19/21 12:24	1
Percent Solids	**87.4**		0.1	0.1	%			11/19/21 12:24	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 10:33	11/23/21 18:18	1
Cyanide, Total	ND		0.50	0.27	mg/Kg	☼	11/23/21 14:15	11/23/21 18:00	1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: 180-130126-4 MS
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20A
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.048		0.0937	0.112		mg/Kg	☼	68	63 - 131
Benzene	ND		0.0187	0.0172		mg/Kg	☼	92	80 - 123
2-Butanone (MEK)	ND	F1	0.0937	0.0641	F1	mg/Kg	☼	68	75 - 120
Carbon tetrachloride	ND		0.0187	0.0158		mg/Kg	☼	84	72 - 136
Chlorobenzene	ND	F1	0.0187	0.0103	F1	mg/Kg	☼	55	80 - 120
Chloroform	ND		0.0187	0.0148		mg/Kg	☼	79	79 - 126
cis-1,2-Dichloroethene	ND	F1	0.0187	0.0145	F1	mg/Kg	☼	78	80 - 123
1,2-Dichlorobenzene	ND	F1	0.0187	0.00771	F1	mg/Kg	☼	41	80 - 120
1,3-Dichlorobenzene	ND	F1	0.0187	0.00765	F1	mg/Kg	☼	41	80 - 120
1,4-Dichlorobenzene	ND	F1	0.0187	0.00741	F1	mg/Kg	☼	40	80 - 120
1,1-Dichloroethane	ND		0.0187	0.0178		mg/Kg	☼	95	76 - 129
1,2-Dichloroethane	ND		0.0187	0.0140		mg/Kg	☼	75	70 - 132
1,1-Dichloroethene	ND		0.0187	0.0169		mg/Kg	☼	90	77 - 132
1,4-Dioxane	ND		0.375	0.376		mg/Kg	☼	100	73 - 136
Ethylbenzene	0.00021	J F1	0.0187	0.0117	F1	mg/Kg	☼	62	80 - 120
Methylene Chloride	ND		0.0187	0.0159		mg/Kg	☼	85	76 - 127
Methyl tert-butyl ether	ND		0.0187	0.0164		mg/Kg	☼	88	80 - 125
n-Butylbenzene	ND	F1	0.0187	0.00952	F1	mg/Kg	☼	51	77 - 123
N-Propylbenzene	ND	F1	0.0187	0.0116	F1	mg/Kg	☼	62	78 - 120
sec-Butylbenzene	ND	F1	0.0187	0.0117	F1	mg/Kg	☼	62	78 - 120
tert-Butylbenzene	ND	F1	0.0187	0.0118	F1	mg/Kg	☼	63	76 - 120
Tetrachloroethene	0.00093	J F1	0.0187	0.0165		mg/Kg	☼	83	78 - 123
Toluene	0.0038	F1	0.0187	0.0157	F1	mg/Kg	☼	63	80 - 120
trans-1,2-Dichloroethene	ND	F1	0.0187	0.0150		mg/Kg	☼	80	78 - 128
1,1,1-Trichloroethane	ND		0.0187	0.0163		mg/Kg	☼	87	78 - 132
Trichloroethene	0.0019	F2 F1	0.0187	0.0241		mg/Kg	☼	118	79 - 120
1,2,4-Trimethylbenzene	ND	F1	0.0187	0.0102	F1	mg/Kg	☼	55	79 - 120
1,3,5-Trimethylbenzene	ND	F1	0.0187	0.0109	F1	mg/Kg	☼	58	79 - 120
Vinyl chloride	ND		0.0187	0.0180		mg/Kg	☼	96	56 - 147
Xylenes, Total	ND	F1	0.0375	0.0232	F1	mg/Kg	☼	62	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 139*
Dibromofluoromethane (Surr)	*103*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 180-130126-4 MSD
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20A
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.048		0.0948	0.131		mg/Kg	☼	88	63 - 131	16	30
Benzene	ND		0.0190	0.0174		mg/Kg	☼	92	80 - 123	2	30
2-Butanone (MEK)	ND	F1	0.0948	0.0665	F1	mg/Kg	☼	70	75 - 120	4	30
Carbon tetrachloride	ND		0.0190	0.0158		mg/Kg	☼	84	72 - 136	0	30
Chlorobenzene	ND	F1	0.0190	0.0111	F1	mg/Kg	☼	58	80 - 120	7	30
Chloroform	ND		0.0190	0.0149		mg/Kg	☼	79	79 - 126	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-130126-4 MSD
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20A
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND	F1	0.0190	0.0141	F1	mg/Kg	☼	74	80 - 123	3	30
1,2-Dichlorobenzene	ND	F1	0.0190	0.00845	F1	mg/Kg	☼	45	80 - 120	9	30
1,3-Dichlorobenzene	ND	F1	0.0190	0.00850	F1	mg/Kg	☼	45	80 - 120	11	30
1,4-Dichlorobenzene	ND	F1	0.0190	0.00807	F1	mg/Kg	☼	43	80 - 120	9	30
1,1-Dichloroethane	ND		0.0190	0.0180		mg/Kg	☼	95	76 - 129	2	30
1,2-Dichloroethane	ND		0.0190	0.0142		mg/Kg	☼	75	70 - 132	2	30
1,1-Dichloroethene	ND		0.0190	0.0164		mg/Kg	☼	86	77 - 132	3	30
1,4-Dioxane	ND		0.379	0.476		mg/Kg	☼	126	73 - 136	24	30
Ethylbenzene	0.00021	J F1	0.0190	0.0123	F1	mg/Kg	☼	64	80 - 120	5	30
Methylene Chloride	ND		0.0190	0.0151		mg/Kg	☼	80	76 - 127	5	30
Methyl tert-butyl ether	ND		0.0190	0.0166		mg/Kg	☼	87	80 - 125	1	30
n-Butylbenzene	ND	F1	0.0190	0.00976	F1	mg/Kg	☼	51	77 - 123	2	30
N-Propylbenzene	ND	F1	0.0190	0.0120	F1	mg/Kg	☼	63	78 - 120	3	30
sec-Butylbenzene	ND	F1	0.0190	0.0113	F1	mg/Kg	☼	59	78 - 120	3	30
tert-Butylbenzene	ND	F1	0.0190	0.0116	F1	mg/Kg	☼	61	76 - 120	2	30
Tetrachloroethene	0.00093	J F1	0.0190	0.0149	F1	mg/Kg	☼	73	78 - 123	10	30
Toluene	0.0038	F1	0.0190	0.0156	F1	mg/Kg	☼	62	80 - 120	0	30
trans-1,2-Dichloroethene	ND	F1	0.0190	0.0146	F1	mg/Kg	☼	77	78 - 128	3	30
1,1,1-Trichloroethane	ND		0.0190	0.0160		mg/Kg	☼	84	78 - 132	2	30
Trichloroethene	0.0019	F2 F1	0.0190	0.0159	F1 F2	mg/Kg	☼	74	79 - 120	41	30
1,2,4-Trimethylbenzene	ND	F1	0.0190	0.0101	F1	mg/Kg	☼	54	79 - 120	1	30
1,3,5-Trimethylbenzene	ND	F1	0.0190	0.0109	F1	mg/Kg	☼	58	79 - 120	0	30
Vinyl chloride	ND		0.0190	0.0168		mg/Kg	☼	88	56 - 147	7	30
Xylenes, Total	ND	F1	0.0379	0.0234	F1	mg/Kg	☼	62	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 139*
Dibromofluoromethane (Surr)	*105*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 180-130126-5 MS
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20B
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.017		0.0998	0.102		mg/Kg	☼	85	63 - 131
Benzene	ND	F1	0.0200	0.0135	F1	mg/Kg	☼	67	80 - 123
2-Butanone (MEK)	0.0037	J F1	0.0998	0.0564	F1	mg/Kg	☼	57	75 - 120
Carbon tetrachloride	ND	F1	0.0200	0.0120	F1	mg/Kg	☼	60	72 - 136
Chlorobenzene	ND	F1	0.0200	0.00773	F1	mg/Kg	☼	39	80 - 120
Chloroform	ND	F1	0.0200	0.0119	F1	mg/Kg	☼	60	79 - 126
cis-1,2-Dichloroethene	0.00038	J F1	0.0200	0.0115	F1	mg/Kg	☼	58	80 - 123
1,2-Dichlorobenzene	ND	F1	0.0200	0.00544	F1	mg/Kg	☼	27	80 - 120
1,3-Dichlorobenzene	ND	F1	0.0200	0.00549	F1	mg/Kg	☼	27	80 - 120
1,4-Dichlorobenzene	ND	F1	0.0200	0.00533	F1	mg/Kg	☼	27	80 - 120
1,1-Dichloroethane	ND	F1	0.0200	0.0141	F1	mg/Kg	☼	71	76 - 129
1,2-Dichloroethane	ND	F1	0.0200	0.0112	F1	mg/Kg	☼	56	70 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-130126-5 MS
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20B
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND	F1	0.0200	0.0127	F1	mg/Kg	☼	64	77 - 132
1,4-Dioxane	ND		0.399	0.326		mg/Kg	☼	82	73 - 136
Ethylbenzene	ND	F1	0.0200	0.00910	F1	mg/Kg	☼	46	80 - 120
Methylene Chloride	ND	F1	0.0200	0.0126	F1	mg/Kg	☼	63	76 - 127
Methyl tert-butyl ether	ND	F1	0.0200	0.0136	F1	mg/Kg	☼	68	80 - 125
n-Butylbenzene	ND	F1	0.0200	0.00663	F1	mg/Kg	☼	33	77 - 123
N-Propylbenzene	ND	F1	0.0200	0.00872	F1	mg/Kg	☼	44	78 - 120
sec-Butylbenzene	ND	F1	0.0200	0.00840	F1	mg/Kg	☼	42	78 - 120
tert-Butylbenzene	ND	F1	0.0200	0.00877	F1	mg/Kg	☼	44	76 - 120
Tetrachloroethene	0.0019	F1	0.0200	0.0137	F1	mg/Kg	☼	59	78 - 123
Toluene	0.0010	F1	0.0200	0.0125	F1	mg/Kg	☼	57	80 - 120
trans-1,2-Dichloroethene	ND	F1	0.0200	0.0117	F1	mg/Kg	☼	58	78 - 128
1,1,1-Trichloroethane	ND	F1	0.0200	0.0126	F1	mg/Kg	☼	63	78 - 132
Trichloroethene	0.0062	F2 F1	0.0200	0.0225		mg/Kg	☼	82	79 - 120
1,2,4-Trimethylbenzene	ND	F1	0.0200	0.00743	F1	mg/Kg	☼	37	79 - 120
1,3,5-Trimethylbenzene	ND	F1	0.0200	0.00817	F1	mg/Kg	☼	41	79 - 120
Vinyl chloride	ND		0.0200	0.0145		mg/Kg	☼	73	56 - 147
Xylenes, Total	ND	F1	0.0399	0.0174	F1	mg/Kg	☼	43	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 180-130126-5 MSD
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20B
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.017		0.0915	0.111		mg/Kg	☼	102	63 - 131	8	30
Benzene	ND	F1	0.0183	0.0146		mg/Kg	☼	80	80 - 123	8	30
2-Butanone (MEK)	0.0037	J F1	0.0915	0.0637	F1	mg/Kg	☼	70	75 - 120	12	30
Carbon tetrachloride	ND	F1	0.0183	0.0124	F1	mg/Kg	☼	68	72 - 136	3	30
Chlorobenzene	ND	F1	0.0183	0.00951	F1	mg/Kg	☼	52	80 - 120	21	30
Chloroform	ND	F1	0.0183	0.0132	F1	mg/Kg	☼	72	79 - 126	11	30
cis-1,2-Dichloroethene	0.00038	J F1	0.0183	0.0127	F1	mg/Kg	☼	69	80 - 123	10	30
1,2-Dichlorobenzene	ND	F1	0.0183	0.00688	F1	mg/Kg	☼	38	80 - 120	23	30
1,3-Dichlorobenzene	ND	F1	0.0183	0.00685	F1	mg/Kg	☼	37	80 - 120	22	30
1,4-Dichlorobenzene	ND	F1	0.0183	0.00650	F1	mg/Kg	☼	35	80 - 120	20	30
1,1-Dichloroethane	ND	F1	0.0183	0.0152		mg/Kg	☼	83	76 - 129	7	30
1,2-Dichloroethane	ND	F1	0.0183	0.0127	F1	mg/Kg	☼	69	70 - 132	13	30
1,1-Dichloroethene	ND	F1	0.0183	0.0137	F1	mg/Kg	☼	75	77 - 132	7	30
1,4-Dioxane	ND		0.366	0.310		mg/Kg	☼	85	73 - 136	5	30
Ethylbenzene	ND	F1	0.0183	0.0102	F1	mg/Kg	☼	56	80 - 120	11	30
Methylene Chloride	ND	F1	0.0183	0.0137	F1	mg/Kg	☼	75	76 - 127	8	30
Methyl tert-butyl ether	ND	F1	0.0183	0.0144	F1	mg/Kg	☼	78	80 - 125	6	30
n-Butylbenzene	ND	F1	0.0183	0.00609	F1	mg/Kg	☼	33	77 - 123	9	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-130126-5 MSD
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: SSHS-IRM5A2-A2-A20B
Prep Type: Total/NA
Prep Batch: 814272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND	F1	0.0183	0.00847	F1	mg/Kg	☼	46	78 - 120	3	30
sec-Butylbenzene	ND	F1	0.0183	0.00719	F1	mg/Kg	☼	39	78 - 120	16	30
tert-Butylbenzene	ND	F1	0.0183	0.00765	F1	mg/Kg	☼	42	76 - 120	14	30
Tetrachloroethene	0.0019	F1	0.0183	0.0108	F1	mg/Kg	☼	48	78 - 123	24	30
Toluene	0.0010	F1	0.0183	0.0152	F1	mg/Kg	☼	77	80 - 120	19	30
trans-1,2-Dichloroethene	ND	F1	0.0183	0.0124	F1	mg/Kg	☼	68	78 - 128	6	30
1,1,1-Trichloroethane	ND	F1	0.0183	0.0129	F1	mg/Kg	☼	70	78 - 132	3	30
Trichloroethene	0.0062	F2 F1	0.0183	0.0132	F1 F2	mg/Kg	☼	38	79 - 120	52	30
1,2,4-Trimethylbenzene	ND	F1	0.0183	0.00796	F1	mg/Kg	☼	44	79 - 120	7	30
1,3,5-Trimethylbenzene	ND	F1	0.0183	0.00807	F1	mg/Kg	☼	44	79 - 120	1	30
Vinyl chloride	ND		0.0183	0.0133		mg/Kg	☼	73	56 - 147	8	30
Xylenes, Total	ND	F1	0.0366	0.0197	F1	mg/Kg	☼	54	80 - 120	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 460-814624/9
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/21/21 18:42	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/21/21 18:42	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/21/21 18:42	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/21/21 18:42	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 18:42	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/21/21 18:42	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/21/21 18:42	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/21/21 18:42	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/21/21 18:42	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/21/21 18:42	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/21/21 18:42	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/21/21 18:42	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/21/21 18:42	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/21/21 18:42	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/21/21 18:42	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 18:42	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 18:42	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 18:42	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/21/21 18:42	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/21/21 18:42	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/21/21 18:42	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-814624/9
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/21/21 18:42	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/21/21 18:42	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/21/21 18:42	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/21/21 18:42	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/21/21 18:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*		*11/21/21 18:42*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*		*11/21/21 18:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*		*11/21/21 18:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/21/21 18:42*	*1*

Lab Sample ID: LCS 460-814624/4
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0797		mg/Kg		80	63 - 131
Benzene	0.0200	0.0213		mg/Kg		107	80 - 123
2-Butanone (MEK)	0.100	0.0787		mg/Kg		79	75 - 120
Carbon tetrachloride	0.0200	0.0191		mg/Kg		96	72 - 136
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126
cis-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	80 - 123
1,2-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,4-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
1,1-Dichloroethane	0.0200	0.0216		mg/Kg		108	76 - 129
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 132
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	77 - 132
1,4-Dioxane	0.400	0.382		mg/Kg		96	73 - 136
Ethylbenzene	0.0200	0.0188		mg/Kg		94	80 - 120
Methylene Chloride	0.0200	0.0191		mg/Kg		96	76 - 127
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		94	80 - 125
n-Butylbenzene	0.0200	0.0199		mg/Kg		100	77 - 123
N-Propylbenzene	0.0200	0.0206		mg/Kg		103	78 - 120
sec-Butylbenzene	0.0200	0.0199		mg/Kg		100	78 - 120
tert-Butylbenzene	0.0200	0.0196		mg/Kg		98	76 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		98	78 - 123
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		98	78 - 128
1,1,1-Trichloroethane	0.0200	0.0189		mg/Kg		94	78 - 132
Trichloroethene	0.0200	0.0191		mg/Kg		96	79 - 120
1,2,4-Trimethylbenzene	0.0200	0.0192		mg/Kg		96	79 - 120
1,3,5-Trimethylbenzene	0.0200	0.0196		mg/Kg		98	79 - 120
Vinyl chloride	0.0200	0.0192		mg/Kg		96	56 - 147
Xylenes, Total	0.0400	0.0375		mg/Kg		94	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814624/4
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-814624/5
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.100	0.0797		mg/Kg		80	63 - 131	0	30
Benzene			0.0200	0.0217		mg/Kg		108	80 - 123	2	30
2-Butanone (MEK)			0.100	0.0791		mg/Kg		79	75 - 120	0	30
Carbon tetrachloride			0.0200	0.0196		mg/Kg		98	72 - 136	3	30
Chlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120	1	30
Chloroform			0.0200	0.0188		mg/Kg		94	79 - 126	0	30
cis-1,2-Dichloroethene			0.0200	0.0186		mg/Kg		93	80 - 123	1	30
1,2-Dichlorobenzene			0.0200	0.0183		mg/Kg		91	80 - 120	1	30
1,3-Dichlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0181		mg/Kg		91	80 - 120	0	30
1,1-Dichloroethane			0.0200	0.0215		mg/Kg		107	76 - 129	0	30
1,2-Dichloroethane			0.0200	0.0188		mg/Kg		94	70 - 132	1	30
1,1-Dichloroethene			0.0200	0.0188		mg/Kg		94	77 - 132	2	30
1,4-Dioxane			0.400	0.375		mg/Kg		94	73 - 136	2	30
Ethylbenzene			0.0200	0.0187		mg/Kg		93	80 - 120	1	30
Methylene Chloride			0.0200	0.0195		mg/Kg		97	76 - 127	2	30
Methyl tert-butyl ether			0.0200	0.0193		mg/Kg		96	80 - 125	2	30
n-Butylbenzene			0.0200	0.0204		mg/Kg		102	77 - 123	2	30
N-Propylbenzene			0.0200	0.0203		mg/Kg		101	78 - 120	2	30
sec-Butylbenzene			0.0200	0.0205		mg/Kg		102	78 - 120	3	30
tert-Butylbenzene			0.0200	0.0203		mg/Kg		102	76 - 120	4	30
Tetrachloroethene			0.0200	0.0194		mg/Kg		97	78 - 123	0	30
Toluene			0.0200	0.0197		mg/Kg		99	80 - 120	1	30
trans-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	78 - 128	1	30
1,1,1-Trichloroethane			0.0200	0.0194		mg/Kg		97	78 - 132	3	30
Trichloroethene			0.0200	0.0194		mg/Kg		97	79 - 120	2	30
1,2,4-Trimethylbenzene			0.0200	0.0193		mg/Kg		97	79 - 120	0	30
1,3,5-Trimethylbenzene			0.0200	0.0197		mg/Kg		99	79 - 120	1	30
Vinyl chloride			0.0200	0.0200		mg/Kg		100	56 - 147	4	30
Xylenes, Total			0.0400	0.0373		mg/Kg		93	80 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
Toluene-d8 (Surr)	*106*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-814713/9
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/22/21 11:01	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/22/21 11:01	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/22/21 11:01	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/22/21 11:01	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/22/21 11:01	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/22/21 11:01	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/22/21 11:01	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/22/21 11:01	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/22/21 11:01	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/22/21 11:01	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/22/21 11:01	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/22/21 11:01	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/22/21 11:01	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/22/21 11:01	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/22/21 11:01	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/22/21 11:01	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/22/21 11:01	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/22/21 11:01	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/22/21 11:01	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/22/21 11:01	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/22/21 11:01	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/22/21 11:01	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/22/21 11:01	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/22/21 11:01	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/22/21 11:01	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/22/21 11:01	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/22/21 11:01	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/22/21 11:01	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/22/21 11:01	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/22/21 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*		*11/22/21 11:01*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*		*11/22/21 11:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*		*11/22/21 11:01*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/22/21 11:01*	*1*

Lab Sample ID: LCS 460-814713/4
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0806		mg/Kg		81	63 - 131
Benzene	0.0200	0.0205		mg/Kg		102	80 - 123
2-Butanone (MEK)	0.100	0.0797		mg/Kg		80	75 - 120
Carbon tetrachloride	0.0200	0.0164		mg/Kg		82	72 - 136
Chlorobenzene	0.0200	0.0177		mg/Kg		88	80 - 120
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814713/4
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-1,2-Dichloroethene			0.0200	0.0188		mg/Kg		94	80 - 123		
1,2-Dichlorobenzene			0.0200	0.0185		mg/Kg		93	80 - 120		
1,3-Dichlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120		
1,4-Dichlorobenzene			0.0200	0.0180		mg/Kg		90	80 - 120		
1,1-Dichloroethane			0.0200	0.0205		mg/Kg		102	76 - 129		
1,2-Dichloroethane			0.0200	0.0187		mg/Kg		93	70 - 132		
1,1-Dichloroethene			0.0200	0.0166		mg/Kg		83	77 - 132		
1,4-Dioxane			0.400	0.381		mg/Kg		95	73 - 136		
Ethylbenzene			0.0200	0.0178		mg/Kg		89	80 - 120		
Methylene Chloride			0.0200	0.0190		mg/Kg		95	76 - 127		
Methyl tert-butyl ether			0.0200	0.0190		mg/Kg		95	80 - 125		
n-Butylbenzene			0.0200	0.0186		mg/Kg		93	77 - 123		
N-Propylbenzene			0.0200	0.0188		mg/Kg		94	78 - 120		
sec-Butylbenzene			0.0200	0.0179		mg/Kg		90	78 - 120		
tert-Butylbenzene			0.0200	0.0173		mg/Kg		87	76 - 120		
Tetrachloroethene			0.0200	0.0170		mg/Kg		85	78 - 123		
Toluene			0.0200	0.0186		mg/Kg		93	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0180		mg/Kg		90	78 - 128		
1,1,1-Trichloroethane			0.0200	0.0170		mg/Kg		85	78 - 132		
Trichloroethene			0.0200	0.0176		mg/Kg		88	79 - 120		
1,2,4-Trimethylbenzene			0.0200	0.0185		mg/Kg		92	79 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0186		mg/Kg		93	79 - 120		
Vinyl chloride			0.0200	0.0174		mg/Kg		87	56 - 147		
Xylenes, Total			0.0400	0.0367		mg/Kg		92	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-814713/5
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.100	0.0830		mg/Kg		83	63 - 131	3	30
Benzene			0.0200	0.0220		mg/Kg		110	80 - 123	7	30
2-Butanone (MEK)			0.100	0.0823		mg/Kg		82	75 - 120	3	30
Carbon tetrachloride			0.0200	0.0184		mg/Kg		92	72 - 136	11	30
Chlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120	4	30
Chloroform			0.0200	0.0188		mg/Kg		94	79 - 126	1	30
cis-1,2-Dichloroethene			0.0200	0.0190		mg/Kg		95	80 - 123	1	30
1,2-Dichlorobenzene			0.0200	0.0180		mg/Kg		90	80 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0180		mg/Kg		90	80 - 120	0	30
1,1-Dichloroethane			0.0200	0.0212		mg/Kg		106	76 - 129	3	30
1,2-Dichloroethane			0.0200	0.0185		mg/Kg		93	70 - 132	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814713/5
Matrix: Solid
Analysis Batch: 814713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0190		mg/Kg		95	77 - 132	13	30
1,4-Dioxane			0.400	0.367		mg/Kg		92	73 - 136	4	30
Ethylbenzene			0.0200	0.0180		mg/Kg		90	80 - 120	2	30
Methylene Chloride			0.0200	0.0198		mg/Kg		99	76 - 127	4	30
Methyl tert-butyl ether			0.0200	0.0202		mg/Kg		101	80 - 125	6	30
n-Butylbenzene			0.0200	0.0189		mg/Kg		95	77 - 123	2	30
N-Propylbenzene			0.0200	0.0195		mg/Kg		98	78 - 120	4	30
sec-Butylbenzene			0.0200	0.0193		mg/Kg		97	78 - 120	8	30
tert-Butylbenzene			0.0200	0.0188		mg/Kg		94	76 - 120	8	30
Tetrachloroethene			0.0200	0.0187		mg/Kg		93	78 - 123	9	30
Toluene			0.0200	0.0196		mg/Kg		98	80 - 120	5	30
trans-1,2-Dichloroethene			0.0200	0.0192		mg/Kg		96	78 - 128	6	30
1,1,1-Trichloroethane			0.0200	0.0187		mg/Kg		93	78 - 132	9	30
Trichloroethene			0.0200	0.0184		mg/Kg		92	79 - 120	4	30
1,2,4-Trimethylbenzene			0.0200	0.0190		mg/Kg		95	79 - 120	3	30
1,3,5-Trimethylbenzene			0.0200	0.0192		mg/Kg		96	79 - 120	3	30
Vinyl chloride			0.0200	0.0206		mg/Kg		103	56 - 147	17	30
Xylenes, Total			0.0400	0.0377		mg/Kg		94	80 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*70 - 139*
Dibromofluoromethane (Surr)	*98*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 460-814992/10
Matrix: Solid
Analysis Batch: 814992

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.25	0.22	mg/Kg			11/24/21 02:18	50
Benzene	ND		0.050	0.010	mg/Kg			11/24/21 02:18	50
2-Butanone (MEK)	ND		0.25	0.11	mg/Kg			11/24/21 02:18	50
Carbon tetrachloride	ND		0.050	0.017	mg/Kg			11/24/21 02:18	50
Chlorobenzene	ND		0.050	0.012	mg/Kg			11/24/21 02:18	50
Chloroform	ND		0.050	0.011	mg/Kg			11/24/21 02:18	50
cis-1,2-Dichloroethene	ND		0.050	0.013	mg/Kg			11/24/21 02:18	50
1,2-Dichlorobenzene	ND		0.050	0.011	mg/Kg			11/24/21 02:18	50
1,3-Dichlorobenzene	ND		0.050	0.017	mg/Kg			11/24/21 02:18	50
1,4-Dichlorobenzene	ND		0.050	0.017	mg/Kg			11/24/21 02:18	50
1,1-Dichloroethane	ND		0.050	0.012	mg/Kg			11/24/21 02:18	50
1,2-Dichloroethane	ND		0.050	0.013	mg/Kg			11/24/21 02:18	50
1,1-Dichloroethene	ND		0.050	0.013	mg/Kg			11/24/21 02:18	50
1,4-Dioxane	ND		2.5	1.4	mg/Kg			11/24/21 02:18	50
Ethylbenzene	ND		0.050	0.015	mg/Kg			11/24/21 02:18	50
Methylene Chloride	ND		0.050	0.011	mg/Kg			11/24/21 02:18	50
Methyl tert-butyl ether	ND		0.050	0.011	mg/Kg			11/24/21 02:18	50
n-Butylbenzene	ND		0.050	0.014	mg/Kg			11/24/21 02:18	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-814992/10
Matrix: Solid
Analysis Batch: 814992

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.050	0.015	mg/Kg			11/24/21 02:18	50
sec-Butylbenzene	ND		0.050	0.016	mg/Kg			11/24/21 02:18	50
tert-Butylbenzene	ND		0.050	0.014	mg/Kg			11/24/21 02:18	50
Tetrachloroethene	ND		0.050	0.018	mg/Kg			11/24/21 02:18	50
Toluene	ND		0.050	0.013	mg/Kg			11/24/21 02:18	50
trans-1,2-Dichloroethene	ND		0.050	0.0090	mg/Kg			11/24/21 02:18	50
1,1,1-Trichloroethane	ND		0.050	0.014	mg/Kg			11/24/21 02:18	50
Trichloroethene	ND		0.050	0.011	mg/Kg			11/24/21 02:18	50
1,2,4-Trimethylbenzene	ND		0.050	0.012	mg/Kg			11/24/21 02:18	50
1,3,5-Trimethylbenzene	ND		0.050	0.013	mg/Kg			11/24/21 02:18	50
Vinyl chloride	ND		0.050	0.010	mg/Kg			11/24/21 02:18	50
Xylenes, Total	ND		0.10	0.014	mg/Kg			11/24/21 02:18	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*62 - 150*		*11/24/21 02:18*	*50*
Dibromofluoromethane (Surr)	*98*		*54 - 150*		*11/24/21 02:18*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 150*		*11/24/21 02:18*	*50*
Toluene-d8 (Surr)	*96*		*68 - 148*		*11/24/21 02:18*	*50*

Lab Sample ID: LCS 460-814992/3
Matrix: Solid
Analysis Batch: 814992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	5.00	4.44		mg/Kg		89	56 - 127
Benzene	1.00	0.925		mg/Kg		92	80 - 120
2-Butanone (MEK)	5.00	5.10		mg/Kg		102	65 - 131
Carbon tetrachloride	1.00	1.09		mg/Kg		109	68 - 123
Chlorobenzene	1.00	1.01		mg/Kg		101	80 - 120
Chloroform	1.00	0.943		mg/Kg		94	80 - 120
cis-1,2-Dichloroethene	1.00	0.925		mg/Kg		93	80 - 120
1,2-Dichlorobenzene	1.00	1.00		mg/Kg		100	80 - 120
1,3-Dichlorobenzene	1.00	1.07		mg/Kg		107	80 - 120
1,4-Dichlorobenzene	1.00	1.04		mg/Kg		104	80 - 120
1,1-Dichloroethane	1.00	0.882		mg/Kg		88	79 - 124
1,2-Dichloroethane	1.00	1.04		mg/Kg		104	62 - 132
1,1-Dichloroethene	1.00	0.915		mg/Kg		92	72 - 128
1,4-Dioxane	20.0	21.7		mg/Kg		109	80 - 126
Ethylbenzene	1.00	1.03		mg/Kg		103	72 - 121
Methylene Chloride	1.00	0.955		mg/Kg		96	74 - 127
Methyl tert-butyl ether	1.00	0.986		mg/Kg		99	77 - 125
n-Butylbenzene	1.00	1.01		mg/Kg		101	75 - 135
N-Propylbenzene	1.00	0.986		mg/Kg		99	79 - 122
sec-Butylbenzene	1.00	0.975		mg/Kg		97	77 - 128
tert-Butylbenzene	1.00	1.01		mg/Kg		101	76 - 123
Tetrachloroethene	1.00	1.19		mg/Kg		119	73 - 120
Toluene	1.00	0.967		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	1.00	0.951		mg/Kg		95	77 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814992/3
Matrix: Solid
Analysis Batch: 814992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			1.00	1.00		mg/Kg		100	73 - 121		
Trichloroethene			1.00	1.01		mg/Kg		101	77 - 120		
1,2,4-Trimethylbenzene			1.00	1.01		mg/Kg		101	80 - 121		
1,3,5-Trimethylbenzene			1.00	0.976		mg/Kg		98	79 - 120		
Vinyl chloride			1.00	0.835		mg/Kg		84	57 - 150		
Xylenes, Total			2.00	1.99		mg/Kg		99	72 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*62 - 150*
Dibromofluoromethane (Surr)	*97*		*54 - 150*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 150*
Toluene-d8 (Surr)	*97*		*68 - 148*

Lab Sample ID: LCSD 460-814992/4
Matrix: Solid
Analysis Batch: 814992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			5.00	4.30		mg/Kg		86	56 - 127	3	30
Benzene			1.00	0.917		mg/Kg		92	80 - 120	1	30
2-Butanone (MEK)			5.00	4.91		mg/Kg		98	65 - 131	4	30
Carbon tetrachloride			1.00	1.03		mg/Kg		103	68 - 123	5	30
Chlorobenzene			1.00	0.993		mg/Kg		99	80 - 120	1	30
Chloroform			1.00	0.934		mg/Kg		93	80 - 120	1	30
cis-1,2-Dichloroethene			1.00	0.949		mg/Kg		95	80 - 120	2	30
1,2-Dichlorobenzene			1.00	0.997		mg/Kg		100	80 - 120	0	30
1,3-Dichlorobenzene			1.00	1.01		mg/Kg		101	80 - 120	5	30
1,4-Dichlorobenzene			1.00	1.01		mg/Kg		101	80 - 120	3	30
1,1-Dichloroethane			1.00	0.888		mg/Kg		89	79 - 124	1	30
1,2-Dichloroethane			1.00	1.02		mg/Kg		102	62 - 132	2	30
1,1-Dichloroethene			1.00	0.940		mg/Kg		94	72 - 128	3	30
1,4-Dioxane			20.0	22.5		mg/Kg		113	80 - 126	4	30
Ethylbenzene			1.00	1.02		mg/Kg		102	72 - 121	1	30
Methylene Chloride			1.00	0.939		mg/Kg		94	74 - 127	2	30
Methyl tert-butyl ether			1.00	0.990		mg/Kg		99	77 - 125	0	30
n-Butylbenzene			1.00	0.945		mg/Kg		95	75 - 135	7	30
N-Propylbenzene			1.00	0.958		mg/Kg		96	79 - 122	3	30
sec-Butylbenzene			1.00	0.941		mg/Kg		94	77 - 128	3	30
tert-Butylbenzene			1.00	0.956		mg/Kg		96	76 - 123	5	30
Tetrachloroethene			1.00	1.15		mg/Kg		115	73 - 120	3	30
Toluene			1.00	0.984		mg/Kg		98	80 - 120	2	30
trans-1,2-Dichloroethene			1.00	0.965		mg/Kg		96	77 - 127	1	30
1,1,1-Trichloroethane			1.00	1.02		mg/Kg		102	73 - 121	1	30
Trichloroethene			1.00	0.971		mg/Kg		97	77 - 120	4	30
1,2,4-Trimethylbenzene			1.00	0.969		mg/Kg		97	80 - 121	4	30
1,3,5-Trimethylbenzene			1.00	0.937		mg/Kg		94	79 - 120	4	30
Vinyl chloride			1.00	0.835		mg/Kg		83	57 - 150	0	30
Xylenes, Total			2.00	1.93		mg/Kg		96	72 - 121	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814992/4
Matrix: Solid
Analysis Batch: 814992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*111*		*62 - 150*
Dibromofluoromethane (Surr)	*100*		*54 - 150*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 150*
Toluene-d8 (Surr)	*99*		*68 - 148*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-379873/1-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Phenol	ND		0.033	0.010	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Pyridine	ND		0.067	0.018	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/22/21 18:47	11/23/21 13:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*89*		*35 - 105*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
2-Fluorophenol (Surr)	*88*		*32 - 105*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
Nitrobenzene-d5 (Surr)	*94*		*34 - 109*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/22/21 18:47*	*11/23/21 13:45*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-379873/1-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379873

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	103		20 - 117	11/22/21 18:47	11/23/21 13:45	1
2,4,6-Tribromophenol (Surr)	86		20 - 119	11/22/21 18:47	11/23/21 13:45	1

Lab Sample ID: LCS 180-379873/2-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.556		mg/Kg		83	41 - 100
Acenaphthylene	0.667	0.549		mg/Kg		82	45 - 100
Anthracene	0.667	0.580		mg/Kg		87	47 - 100
Benzo[a]anthracene	0.667	0.650		mg/Kg		97	47 - 100
Benzo[a]pyrene	0.667	0.500		mg/Kg		75	45 - 101
Benzo[b]fluoranthene	0.667	0.520		mg/Kg		78	44 - 100
Benzo[g,h,i]perylene	0.667	0.538		mg/Kg		81	45 - 103
Benzo[k]fluoranthene	0.667	0.491		mg/Kg		74	43 - 100
Chrysene	0.667	0.567		mg/Kg		85	44 - 100
Dibenz(a,h)anthracene	0.667	0.533		mg/Kg		80	46 - 107
Dibenzofuran	0.667	0.565		mg/Kg		85	47 - 100
2,4-Dinitrotoluene	0.667	0.610		mg/Kg		91	48 - 106
1,4-Dioxane	0.667	0.309		mg/Kg		46	10 - 133
Fluoranthene	0.667	0.579		mg/Kg		87	49 - 102
Fluorene	0.667	0.569		mg/Kg		85	46 - 100
Hexachlorobenzene	0.667	0.593		mg/Kg		89	45 - 101
Hexachlorobutadiene	0.667	0.567		mg/Kg		85	38 - 110
Hexachloroethane	0.667	0.470		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.565		mg/Kg		85	48 - 104
2-Methylphenol	0.667	0.473		mg/Kg		71	43 - 101
Methylphenol, 3 & 4	0.667	0.461		mg/Kg		69	43 - 104
Naphthalene	0.667	0.517		mg/Kg		78	43 - 100
Nitrobenzene	0.667	0.584		mg/Kg		88	43 - 107
Pentachlorophenol	1.33	1.29		mg/Kg		96	34 - 112
Phenanthrene	0.667	0.558		mg/Kg		84	46 - 100
Phenol	0.667	0.514		mg/Kg		77	42 - 103
Pyrene	0.667	0.579		mg/Kg		87	44 - 102
Pyridine	1.33	1.17		mg/Kg		87	25 - 109
2,4,5-Trichlorophenol	0.667	0.630		mg/Kg		94	47 - 108
2,4,6-Trichlorophenol	0.667	0.632		mg/Kg		95	47 - 108

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	86		35 - 105
2-Fluorophenol (Surr)	92		32 - 105
Nitrobenzene-d5 (Surr)	95		34 - 109
Phenol-d5 (Surr)	84		34 - 105
Terphenyl-d14 (Surr)	100		20 - 117
2,4,6-Tribromophenol (Surr)	99		20 - 119

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379873

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.750	0.642		mg/Kg	☼	86	41 - 100
Acenaphthylene	0.50		0.750	1.18		mg/Kg	☼	91	45 - 100
Anthracene	0.23		0.750	0.892		mg/Kg	☼	88	47 - 100
Benzo[a]anthracene	0.92	F1	0.750	1.68	F1	mg/Kg	☼	101	47 - 100
Benzo[a]pyrene	0.74		0.750	1.38		mg/Kg	☼	85	45 - 101
Benzo[b]fluoranthene	1.2		0.750	1.70		mg/Kg	☼	65	44 - 100
Benzo[g,h,i]perylene	0.83		0.750	1.57		mg/Kg	☼	99	45 - 103
Benzo[k]fluoranthene	0.34		0.750	0.968		mg/Kg	☼	84	43 - 100
Chrysene	0.99	F1	0.750	1.72		mg/Kg	☼	98	44 - 100
Dibenz(a,h)anthracene	0.24		0.750	0.753		mg/Kg	☼	68	46 - 107
Dibenzofuran	ND		0.750	0.601		mg/Kg	☼	80	47 - 100
2,4-Dinitrotoluene	ND		0.750	0.621		mg/Kg	☼	83	48 - 106
1,4-Dioxane	ND	F1	0.750	ND	F1	mg/Kg	☼	0	10 - 133
Fluoranthene	1.0	F1	0.750	1.81	F1	mg/Kg	☼	107	49 - 102
Fluorene	0.041	J	0.750	0.647		mg/Kg	☼	81	46 - 100
Hexachlorobenzene	ND		0.750	0.708		mg/Kg	☼	94	45 - 101
Hexachlorobutadiene	ND		0.750	0.518		mg/Kg	☼	69	38 - 110
Hexachloroethane	ND		0.750	0.415		mg/Kg	☼	55	40 - 100
Indeno[1,2,3-cd]pyrene	0.69	F1	0.750	1.50	F1	mg/Kg	☼	109	48 - 104
2-Methylphenol	ND		0.750	0.390		mg/Kg	☼	52	43 - 101
Methylphenol, 3 & 4	ND		0.750	0.506		mg/Kg	☼	68	43 - 104
Naphthalene	0.075		0.750	0.638		mg/Kg	☼	75	43 - 100
Nitrobenzene	ND		0.750	0.587	J	mg/Kg	☼	78	43 - 107
Pentachlorophenol	ND		1.50	0.672	J	mg/Kg	☼	45	34 - 112
Phenanthrene	0.34	F1	0.750	1.10	F1	mg/Kg	☼	101	46 - 100
Phenol	ND		0.750	0.498		mg/Kg	☼	66	42 - 103
Pyrene	1.2		0.750	1.85		mg/Kg	☼	81	44 - 102
Pyridine	ND	F1	1.50	0.239	J F1	mg/Kg	☼	16	25 - 109
2,4,5-Trichlorophenol	ND		0.750	0.580		mg/Kg	☼	77	47 - 108
2,4,6-Trichlorophenol	ND	F2	0.750	0.679		mg/Kg	☼	91	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*35 - 105*
2-Fluorophenol (Surr)	*79*		*32 - 105*
Nitrobenzene-d5 (Surr)	*79*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*85*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*80*		*20 - 119*

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379873

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.750	0.593		mg/Kg	☼	79	41 - 100	8	22
Acenaphthylene	0.50		0.750	1.19		mg/Kg	☼	92	45 - 100	1	23
Anthracene	0.23		0.750	0.886		mg/Kg	☼	87	47 - 100	1	26
Benzo[a]anthracene	0.92	F1	0.750	1.64		mg/Kg	☼	96	47 - 100	2	24

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379873

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	0.74		0.750	1.29		mg/Kg	☼	73	45 - 101	7	21
Benzo[b]fluoranthene	1.2		0.750	1.56		mg/Kg	☼	45	44 - 100	9	26
Benzo[g,h,i]perylene	0.83		0.750	1.50		mg/Kg	☼	89	45 - 103	5	22
Benzo[k]fluoranthene	0.34		0.750	0.979		mg/Kg	☼	85	43 - 100	1	18
Chrysene	0.99	F1	0.750	1.76	F1	mg/Kg	☼	103	44 - 100	2	26
Dibenz(a,h)anthracene	0.24		0.750	0.783		mg/Kg	☼	72	46 - 107	4	24
Dibenzofuran	ND		0.750	0.631		mg/Kg	☼	84	47 - 100	5	19
2,4-Dinitrotoluene	ND		0.750	0.632		mg/Kg	☼	84	48 - 106	2	20
1,4-Dioxane	ND	F1	0.750	ND	F1	mg/Kg	☼	0	10 - 133	NC	40
Fluoranthene	1.0	F1	0.750	1.78	F1	mg/Kg	☼	104	49 - 102	1	26
Fluorene	0.041	J	0.750	0.666		mg/Kg	☼	83	46 - 100	3	22
Hexachlorobenzene	ND		0.750	0.558		mg/Kg	☼	74	45 - 101	24	27
Hexachlorobutadiene	ND		0.750	0.667		mg/Kg	☼	89	38 - 110	25	27
Hexachloroethane	ND		0.750	0.433		mg/Kg	☼	58	40 - 100	4	27
Indeno[1,2,3-cd]pyrene	0.69	F1	0.750	1.34		mg/Kg	☼	88	48 - 104	11	22
2-Methylphenol	ND		0.750	0.366	J	mg/Kg	☼	49	43 - 101	7	27
Methylphenol, 3 & 4	ND		0.750	0.521		mg/Kg	☼	69	43 - 104	3	24
Naphthalene	0.075		0.750	0.637		mg/Kg	☼	75	43 - 100	0	28
Nitrobenzene	ND		0.750	0.665	J	mg/Kg	☼	89	43 - 107	12	28
Pentachlorophenol	ND		1.50	0.798	J	mg/Kg	☼	53	34 - 112	17	28
Phenanthrene	0.34	F1	0.750	1.05		mg/Kg	☼	95	46 - 100	4	27
Phenol	ND		0.750	0.509		mg/Kg	☼	68	42 - 103	2	30
Pyrene	1.2		0.750	1.93		mg/Kg	☼	93	44 - 102	5	27
Pyridine	ND	F1	1.50	ND	F1	mg/Kg	☼	0	25 - 109	NC	31
2,4,5-Trichlorophenol	ND		0.750	0.573		mg/Kg	☼	76	47 - 108	1	19
2,4,6-Trichlorophenol	ND	F2	0.750	0.534	F2	mg/Kg	☼	71	47 - 108	24	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*35 - 105*
2-Fluorophenol (Surr)	*79*		*32 - 105*
Nitrobenzene-d5 (Surr)	*89*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*87*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*90*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-379595/1-A
Matrix: Solid
Analysis Batch: 379927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/19/21 19:46	11/23/21 11:03	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-379595/1-A
Matrix: Solid
Analysis Batch: 379927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.017	0.0059	mg/Kg		11/19/21 19:46	11/23/21 11:03	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/19/21 19:46	11/23/21 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*11/19/21 19:46*	*11/23/21 11:03*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*11/19/21 19:46*	*11/23/21 11:03*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*11/19/21 19:46*	*11/23/21 11:03*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*11/19/21 19:46*	*11/23/21 11:03*	*1*

Lab Sample ID: LCS 180-379595/2-A
Matrix: Solid
Analysis Batch: 379927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	0.991		mg/Kg		74	43 - 136
PCB-1260	1.33	1.27		mg/Kg		95	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 379927

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.50	1.27		mg/Kg	☼	85	43 - 136
PCB-1260	0.045		1.50	1.22		mg/Kg	☼	78	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 379927

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.50	1.25		mg/Kg	☼	83	43 - 136	1	40
PCB-1260	0.045		1.50	1.27		mg/Kg	☼	82	55 - 128	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-130126-6 MSD **Client Sample ID: SSHS-IRM5A2-A2-A20C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 379927 **Prep Batch: 379595**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-379762/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 380016 **Prep Batch: 379762**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Barium	ND		20	1.1	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Beryllium	ND		0.40	0.023	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Cadmium	ND		0.50	0.036	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Chromium	ND		0.50	0.41	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Copper	ND		2.5	2.3	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Lead	ND		1.0	0.51	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Manganese	ND		1.5	0.41	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Nickel	ND		4.0	0.25	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Selenium	ND		1.0	0.52	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Silver	ND		0.50	0.11	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Zinc	ND		2.0	1.6	mg/Kg		11/22/21 11:40	11/23/21 22:00	1

Lab Sample ID: LCS 180-379762/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 380016 **Prep Batch: 379762**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	98.8		mg/Kg		99	80 - 120
Barium	100	98.3		mg/Kg		98	80 - 120
Beryllium	50.0	50.5		mg/Kg		101	80 - 120
Cadmium	50.0	48.7		mg/Kg		97	80 - 120
Chromium	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.5		mg/Kg		99	80 - 120
Lead	50.0	47.6		mg/Kg		95	80 - 120
Manganese	50.0	49.0		mg/Kg		98	80 - 120
Nickel	50.0	48.2		mg/Kg		96	80 - 120
Selenium	100	95.5		mg/Kg		96	80 - 120
Silver	25.0	24.3		mg/Kg		97	80 - 120
Zinc	25.0	24.5		mg/Kg		98	80 - 120

Lab Sample ID: 180-130126-6 MS **Client Sample ID: SSHS-IRM5A2-A2-A20C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 380016 **Prep Batch: 379762**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	6.0	F1	73.6	59.3	F1	mg/Kg	☼	72	75 - 125
Barium	97	F1	73.6	145	F1	mg/Kg	☼	66	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 380016

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.38	F1	36.8	27.8	F1	mg/Kg	☼	74	75 - 125
Cadmium	0.094	J F1	36.8	27.0	F1	mg/Kg	☼	73	75 - 125
Chromium	12	F1	36.8	37.0	F1	mg/Kg	☼	69	75 - 125
Copper	36	F1	36.8	56.4	F1	mg/Kg	☼	56	75 - 125
Lead	33	F1	36.8	58.5	F1	mg/Kg	☼	70	75 - 125
Manganese	340		36.8	287	4	mg/Kg	☼	-147	75 - 125
Nickel	20	F1	36.8	43.7	F1	mg/Kg	☼	64	75 - 125
Selenium	0.58	J F1	73.6	52.5	F1	mg/Kg	☼	71	75 - 125
Silver	ND	F1	18.4	13.5	F1	mg/Kg	☼	73	75 - 125
Zinc	75		18.4	85.0	4	mg/Kg	☼	52	75 - 125

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 380016

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379762

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	6.0	F1	74.5	58.9	F1	mg/Kg	☼	71	75 - 125	1	20
Barium	97	F1	74.5	165		mg/Kg	☼	92	75 - 125	13	20
Beryllium	0.38	F1	37.3	27.0	F1	mg/Kg	☼	71	75 - 125	3	20
Cadmium	0.094	J F1	37.3	26.5	F1	mg/Kg	☼	71	75 - 125	2	20
Chromium	12	F1	37.3	38.7	F1	mg/Kg	☼	73	75 - 125	5	20
Copper	36	F1	37.3	65.1		mg/Kg	☼	78	75 - 125	14	20
Lead	33	F1	37.3	62.9		mg/Kg	☼	81	75 - 125	7	20
Manganese	340		37.3	343	4	mg/Kg	☼	4	75 - 125	18	20
Nickel	20	F1	37.3	50.5		mg/Kg	☼	82	75 - 125	15	20
Selenium	0.58	J F1	74.5	51.1	F1	mg/Kg	☼	68	75 - 125	3	20
Silver	ND	F1	18.6	13.5	F1	mg/Kg	☼	73	75 - 125	0	20
Zinc	75		18.6	89.3	4	mg/Kg	☼	74	75 - 125	5	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-379466/1-A
Matrix: Solid
Analysis Batch: 379513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/19/21 04:32	11/19/21 08:14	1

Lab Sample ID: LCS 180-379466/2-A
Matrix: Solid
Analysis Batch: 379513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.422		mg/Kg		101	80 - 120

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 379513

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.45	F1	0.137	0.946	F1	mg/Kg	☼	361	80 - 120

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 379513

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.45	F1	0.170	1.12	F1	mg/Kg	☼	395	80 - 120	17	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-130126-6 DU
Matrix: Solid
Analysis Batch: 379555

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12.3		12.0		%		2	10
Percent Solids	87.7		88.0		%		0.3	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-379767/1-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/22/21 10:33	11/23/21 17:59	1

Lab Sample ID: LCSI 180-379767/3-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	652		mg/Kg		92	80 - 120

Lab Sample ID: LCSS 180-379767/2-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.8		mg/Kg		94	80 - 120

Lab Sample ID: 180-130126-6 MSI
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		824	788		mg/Kg	☼	96	75 - 125

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 180-130126-6 MSS
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		23.3	17.9		mg/Kg	☼	77	75 - 125

Lab Sample ID: 180-130126-6 DU
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-379939/4-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/23/21 14:15	11/23/21 17:35	1

Lab Sample ID: HLCS 180-379939/2-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-379939/3-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	21.9		mg/Kg		95	17 - 163

Lab Sample ID: LLCS 180-379939/1-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0472		mg/Kg		94	90 - 110

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.26	J	5.18	5.20		mg/Kg	☼	95	75 - 125

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.26	J	5.43	5.36		mg/Kg	☼	94	75 - 125	3	20

Method: Moisture - Percent Moisture

Lab Sample ID: 180-130126-20 DU
Matrix: Solid
Analysis Batch: 814670

Client Sample ID: SSHS-IRM5A2-DUP8B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.0			10.5		%				4	20
Percent Solids	90.0			89.5		%				0.5	20

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-1

GC/MS VOA

Prep Batch: 814271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-1	SSHS-IRM5A2-A2-A19A	Total/NA	Solid	5035	
180-130126-13	SSHS-IRM5A2-A2-A23A	Total/NA	Solid	5035	
180-130126-20	SSHS-IRM5A2-DUP8B	Total/NA	Solid	5035	

Prep Batch: 814272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-2	SSHS-IRM5A2-A2-A19B	Total/NA	Solid	5035	
180-130126-4	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	5035	
180-130126-5	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	5035	
180-130126-7	SSHS-IRM5A2-A2-A21A	Total/NA	Solid	5035	
180-130126-8	SSHS-IRM5A2-A2-A21B	Total/NA	Solid	5035	
180-130126-10	SSHS-IRM5A2-A2-A22A	Total/NA	Solid	5035	
180-130126-11	SSHS-IRM5A2-A2-A22B	Total/NA	Solid	5035	
180-130126-14	SSHS-IRM5A2-A2-A23B	Total/NA	Solid	5035	
180-130126-16	SSHS-IRM5A2-A2-A24A	Total/NA	Solid	5035	
180-130126-17	SSHS-IRM5A2-A2-A24B	Total/NA	Solid	5035	
180-130126-19	SSHS-IRM5A2-DUP8A	Total/NA	Solid	5035	
180-130126-4 MS	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	5035	
180-130126-4 MSD	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	5035	
180-130126-5 MS	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	5035	
180-130126-5 MSD	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	5035	

Analysis Batch: 814624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-2	SSHS-IRM5A2-A2-A19B	Total/NA	Solid	8260D	814272
180-130126-4	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	8260D	814272
180-130126-5	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	8260D	814272
180-130126-7	SSHS-IRM5A2-A2-A21A	Total/NA	Solid	8260D	814272
180-130126-8	SSHS-IRM5A2-A2-A21B	Total/NA	Solid	8260D	814272
180-130126-10	SSHS-IRM5A2-A2-A22A	Total/NA	Solid	8260D	814272
180-130126-14	SSHS-IRM5A2-A2-A23B	Total/NA	Solid	8260D	814272
180-130126-17	SSHS-IRM5A2-A2-A24B	Total/NA	Solid	8260D	814272
180-130126-19	SSHS-IRM5A2-DUP8A	Total/NA	Solid	8260D	814272
MB 460-814624/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-814624/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814624/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 814713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-11	SSHS-IRM5A2-A2-A22B	Total/NA	Solid	8260D	814272
180-130126-16	SSHS-IRM5A2-A2-A24A	Total/NA	Solid	8260D	814272
MB 460-814713/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-814713/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814713/5	Lab Control Sample Dup	Total/NA	Solid	8260D	
180-130126-4 MS	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	8260D	814272
180-130126-4 MSD	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	8260D	814272
180-130126-5 MS	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	8260D	814272
180-130126-5 MSD	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	8260D	814272

GC/MS VOA

Analysis Batch: 814992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-1	SSHS-IRM5A2-A2-A19A	Total/NA	Solid	8260D	814271
180-130126-13	SSHS-IRM5A2-A2-A23A	Total/NA	Solid	8260D	814271
180-130126-20	SSHS-IRM5A2-DUP8B	Total/NA	Solid	8260D	814271
MB 460-814992/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-814992/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814992/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 379873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	3541	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3541	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	3541	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	3541	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	3541	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	3541	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	3541	
MB 180-379873/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379873/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3541	
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3541	

Analysis Batch: 379934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	EPA 8270D LL	379873
MB 180-379873/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	379873
LCS 180-379873/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	379873
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 8270D LL	379873
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 8270D LL	379873

GC Semi VOA

Prep Batch: 379595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	3541	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3541	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	3541	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	3541	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	3541	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	3541	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	3541	
MB 180-379595/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379595/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3541	
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3541	

GC Semi VOA

Cleanup Batch: 379919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	3665A	379595
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3665A	379595
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	3665A	379595
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	3665A	379595
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	3665A	379595
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	3665A	379595
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	3665A	379595
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3665A	379595
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3665A	379595

Cleanup Batch: 379921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	3660B	379919
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3660B	379919
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	3660B	379919
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	3660B	379919
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	3660B	379919
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	3660B	379919
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	3660B	379919
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3660B	379919
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3660B	379919

Analysis Batch: 379927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 8082A	379921
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	EPA 8082A	379921
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	EPA 8082A	379921
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	EPA 8082A	379921
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	EPA 8082A	379921
MB 180-379595/1-A	Method Blank	Total/NA	Solid	EPA 8082A	379595
LCS 180-379595/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	379595
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 8082A	379921
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 8082A	379921

Analysis Batch: 380019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	EPA 8082A	379921
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	EPA 8082A	379921

Metals

Prep Batch: 379466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	7471B	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	7471B	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	7471B	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	7471B	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	7471B	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	7471B	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	7471B	
MB 180-379466/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 379466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-379466/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	7471B	
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	7471B	

Analysis Batch: 379513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	EPA 7471B	379466
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7471B	379466
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	EPA 7471B	379466
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	EPA 7471B	379466
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	EPA 7471B	379466
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	EPA 7471B	379466
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	EPA 7471B	379466
MB 180-379466/1-A	Method Blank	Total/NA	Solid	EPA 7471B	379466
LCS 180-379466/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	379466
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7471B	379466
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7471B	379466

Prep Batch: 379762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	3050B	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3050B	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	3050B	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	3050B	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	3050B	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	3050B	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	3050B	
MB 180-379762/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-379762/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3050B	
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3050B	

Analysis Batch: 380016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	EPA 6010C	379762
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 6010C	379762
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	EPA 6010C	379762
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	EPA 6010C	379762
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	EPA 6010C	379762
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	EPA 6010C	379762
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	EPA 6010C	379762
MB 180-379762/1-A	Method Blank	Total/NA	Solid	EPA 6010C	379762
LCS 180-379762/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	379762
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 6010C	379762
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 6010C	379762

General Chemistry

Analysis Batch: 379555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 379555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	2540G	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	2540G	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	2540G	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	2540G	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	2540G	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	2540G	
180-130126-6 DU	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	2540G	

Prep Batch: 379767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	3060A	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3060A	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	3060A	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	3060A	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	3060A	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	3060A	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	3060A	
MB 180-379767/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379767/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379767/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-130126-6 MSI	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3060A	
180-130126-6 MSS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3060A	
180-130126-6 DU	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	3060A	

Prep Batch: 379939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	9010C	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	9010C	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	9010C	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	9010C	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	9010C	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	9010C	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	9010C	
MB 180-379939/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-379939/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-379939/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-379939/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	9010C	
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	9010C	

Analysis Batch: 380006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	EPA 7196A	379767
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7196A	379767
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	EPA 7196A	379767
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	EPA 7196A	379767
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	EPA 7196A	379767
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	EPA 7196A	379767
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	EPA 7196A	379767
MB 180-379767/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379767
LCSI 180-379767/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379767

General Chemistry (Continued)

Analysis Batch: 380006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSS 180-379767/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379767
180-130126-6 MSI	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7196A	379767
180-130126-6 MSS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7196A	379767
180-130126-6 DU	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 7196A	379767

Analysis Batch: 380068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	EPA 9014	379939
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 9014	379939
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	EPA 9014	379939
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	EPA 9014	379939
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	EPA 9014	379939
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	EPA 9014	379939
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	EPA 9014	379939
MB 180-379939/4-A	Method Blank	Total/NA	Solid	EPA 9014	379939
HLCS 180-379939/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379939
LCS 180-379939/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379939
LLCS 180-379939/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379939
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 9014	379939
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	EPA 9014	379939

Analysis Batch: 814670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-1	SSHS-IRM5A2-A2-A19A	Total/NA	Solid	Moisture	
180-130126-2	SSHS-IRM5A2-A2-A19B	Total/NA	Solid	Moisture	
180-130126-4	SSHS-IRM5A2-A2-A20A	Total/NA	Solid	Moisture	
180-130126-5	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	Moisture	
180-130126-7	SSHS-IRM5A2-A2-A21A	Total/NA	Solid	Moisture	
180-130126-8	SSHS-IRM5A2-A2-A21B	Total/NA	Solid	Moisture	
180-130126-10	SSHS-IRM5A2-A2-A22A	Total/NA	Solid	Moisture	
180-130126-11	SSHS-IRM5A2-A2-A22B	Total/NA	Solid	Moisture	
180-130126-13	SSHS-IRM5A2-A2-A23A	Total/NA	Solid	Moisture	
180-130126-14	SSHS-IRM5A2-A2-A23B	Total/NA	Solid	Moisture	
180-130126-16	SSHS-IRM5A2-A2-A24A	Total/NA	Solid	Moisture	
180-130126-17	SSHS-IRM5A2-A2-A24B	Total/NA	Solid	Moisture	
180-130126-19	SSHS-IRM5A2-DUP8A	Total/NA	Solid	Moisture	
180-130126-20	SSHS-IRM5A2-DUP8B	Total/NA	Solid	Moisture	
180-130126-5 MS	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	Moisture	
180-130126-5 MSD	SSHS-IRM5A2-A2-A20B	Total/NA	Solid	Moisture	
180-130126-20 DU	SSHS-IRM5A2-DUP8B	Total/NA	Solid	Moisture	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A19A	11/17/21	1305	G	S	N	N	X								4	Containers for F... sent directly to
SSHS-IRM5A2-A2-A19B	11/17/21	1305	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A19C	11/17/21	1300	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A20A	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20B	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20C	11/17/21	1310	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A21A	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21B	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21C	11/17/21	1320	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A22A	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22B	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22C	11/17/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	

180-130126 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time: 11/18/21 1100	Company: TA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:		FJ	N	N	N	N	N	N	N									
SSHS-IRM5A2-A2-A23A	11/17/21	1605	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A23B	11/17/21	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A23C	11/17/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A24A	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24B	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24C	11/17/21	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP8A	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8B	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8C	11/17/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Colin Lamas	11/17	Geosyntec		11/18/21 1100	EMAP; UT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-130126 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A19A	11/17/21	1305	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A19B	11/17/21	1305	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A19C	11/17/21	1300	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A20A	11/17/21	1315	G	S	N	Y	X												12	
SSHS-IRM5A2-A2-A20B	11/17/21	1315	G	S	N	Y	X												12	
SSHS-IRM5A2-A2-A20C	11/17/21	1310	C	S	N	Y		X	X	X	X	X	X	X					10	
SSHS-IRM5A2-A2-A21A	11/17/21	1325	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A21B	11/17/21	1325	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A21C	11/17/21	1320	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A22A	11/17/21	1535	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A22B	11/17/21	1535	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A22C	11/17/21	1530	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Colin	11/17	Company: Geosyntec		11-18-21 1105	EET Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 1652174

Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A23A	11/17/21	1605	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A23B	11/17/21	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A23C	11/17/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A24A	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24B	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24C	11/17/21	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP8A	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8B	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8C	11/17/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Colin	Date/Time: 11/17	Company: Geosyntec	Received by:	Date/Time: 11-18-21 1105	Company EE+S
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.: 1652174
Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 01/16/2019

11/26/2021

180-130126

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-130126 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N		N	N	N	N		
SSHS-IRM5A2-A2-A19A	11/17/21	1305	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A19B	11/17/21	1305	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A19C	11/17/21	1300	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A20A	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20B	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20C	11/17/21	1310	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A21A	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21B	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21C	11/17/21	1320	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A22A	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22B	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22C	11/17/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	

SHORT HOLD

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	17/Nov/2021 1800	Geosyntec		11/18/21 1120	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652173 | Cooler Temperature(s) °C and Other Remarks: ID 19 - 4.6 - 4.1

11/26/2021

180-130126

eurofins | Environment Testing TestAmerica

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A23A	11/17/21	1605	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A23B	11/17/21	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A23C	11/17/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A24A	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24B	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24C	11/17/21	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP8A	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8B	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8C	11/17/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 11/17/2021 1800	Company: Geosyntec	Received by:	Date/Time: 11/18/21	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 165273 | Cooler Temperature(s) °C and Other Remarks: ID 9- 4.6- 4.1

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 180-130126

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 ℃	4.1 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: E.S Date: 11/18/21

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Sacramento Sample Receiving Notes

Job: ____ 180-130126 Field Sheet

Tracking # : 7252 1628 0943

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 105 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel ____ Other ____

Cooler Custody Seal: 1652174

Cooler ID: —

Temp Observed: 4.3 °C Corrected: 4.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 11-18-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11/18/21

Notes: ____

Trizma Lot #(s): ____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 11/18/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130126-1

Login Number: 130126
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130126-1

Login Number: 130126
List Number: 2
Creator: Sgro, Angela M

List Source: Eurofins TestAmerica, Edison
List Creation: 11/18/21 04:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.6/4.1 IR 9
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130126-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/26/2021 10:48:31 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130126-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130126-2

Receipt
The samples were received on 11/18/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3º C, 3.4º C, 4.1º C and 4.3º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: SSHS-IRM5A2-A2-A20C (180-130126-6) and its matrix spikes, and SSHS-IRM5A2-A2-A24C (180-130126-18). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130126-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130126-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130126-3	SSHS-IRM5A2-A2-A19C	Solid	11/17/21 13:00	11/18/21 11:00
180-130126-6	SSHS-IRM5A2-A2-A20C	Solid	11/17/21 13:10	11/18/21 11:00
180-130126-9	SSHS-IRM5A2-A2-A21C	Solid	11/17/21 13:20	11/18/21 11:00
180-130126-12	SSHS-IRM5A2-A2-A22C	Solid	11/17/21 15:30	11/18/21 11:00
180-130126-15	SSHS-IRM5A2-A2-A23C	Solid	11/17/21 16:00	11/18/21 11:00
180-130126-18	SSHS-IRM5A2-A2-A24C	Solid	11/17/21 15:50	11/18/21 11:00
180-130126-21	SSHS-IRM5A2-DUP8C	Solid	11/17/21 00:00	11/18/21 11:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A19C
Lab Sample ID: 180-130126-3
Date Collected: 11/17/21 13:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 20:28	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A20C
Lab Sample ID: 180-130126-6
Date Collected: 11/17/21 13:10
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.26 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 20:38	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A21C
Lab Sample ID: 180-130126-9
Date Collected: 11/17/21 13:20
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 21:08	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A22C
Lab Sample ID: 180-130126-12
Date Collected: 11/17/21 15:30
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.53 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 21:18	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A23C
Lab Sample ID: 180-130126-15
Date Collected: 11/17/21 16:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 21:28	K1S	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A24C

Lab Sample ID: 180-130126-18
Date Collected: 11/17/21 15:50
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.54 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 21:59	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-DUP8C

Lab Sample ID: 180-130126-21
Date Collected: 11/17/21 00:00
Matrix: Solid
Date Received: 11/18/21 11:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.53 g	10.0 mL	544472	11/19/21 18:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545115	11/22/21 22:09	K1S	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client Sample ID: SSHS-IRM5A2-A2-A19C
Lab Sample ID: 180-130126-3

Date Collected: 11/17/21 13:00
Matrix: Solid

Date Received: 11/18/21 11:00
Percent Solids: 89.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.035	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 20:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*59*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C5 PFPeA	*85*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C2 PFHxA	*87*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C4 PFHpA	*87*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C4 PFOA	*93*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C2 PFUnA	*97*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C2 PFDoA	*96*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C3 PFBS	*97*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
18O2 PFHxS	*85*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C4 PFOS	*101*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
13C8 FOSA	*94*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:28*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A20C
Date Collected: 11/17/21 13:10
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-6
Matrix: Solid
Percent Solids: 87.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.15**	**J**	0.22	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluoropentanoic acid (PFPeA)	**0.11**	**J**	0.22	0.044	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorohexanoic acid (PFHxA)	**0.037**	**J**	0.22	0.034	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.22	0.057	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorooctanesulfonic acid (PFOS)	**0.27**		0.22	0.047	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/19/21 18:39	11/22/21 20:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C2 PFHxA	*75*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C4 PFHpA	*75*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C4 PFOA	*88*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C5 PFNA	*93*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C2 PFDA	*89*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C2 PFUnA	*97*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C2 PFDoA	*97*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C3 PFBS	*78*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
18O2 PFHxS	*68*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C4 PFOS	*77*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
13C8 FOSA	*83*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*
M2-8:2 FTS	*171*	**5+*	*25 - 150*	*11/19/21 18:39*	*11/22/21 20:38*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A21C
Date Collected: 11/17/21 13:20
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-9
Matrix: Solid
Percent Solids: 87.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.13**	**J**	0.22	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluoropentanoic acid (PFPeA)	**0.062**	**J**	0.22	0.044	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorohexanoic acid (PFHxA)	**0.040**	**J**	0.22	0.034	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.22	0.057	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorooctanesulfonic acid (PFOS)	**0.26**		0.22	0.047	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/19/21 18:39	11/22/21 21:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C5 PFPeA	*82*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C2 PFHxA	*86*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C4 PFHpA	*88*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C4 PFOA	*97*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C5 PFNA	*100*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C2 PFDA	*101*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C2 PFUnA	*101*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C2 PFDoA	*96*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C3 PFBS	*84*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
18O2 PFHxS	*72*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C4 PFOS	*87*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
13C8 FOSA	*92*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
M2-6:2 FTS	*114*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*
M2-8:2 FTS	*134*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:08*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A22C
Date Collected: 11/17/21 15:30
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-12
Matrix: Solid
Percent Solids: 87.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.21	0.048	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluoropentanoic acid (PFPeA)	**0.049**	**J**	0.21	0.042	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorohexanoic acid (PFHxA)	**0.040**	**J**	0.21	0.032	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.21	0.055	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorooctanesulfonic acid (PFOS)	**0.29**		0.21	0.045	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/19/21 18:39	11/22/21 21:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C5 PFPeA	*82*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C2 PFHxA	*79*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C4 PFHpA	*82*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C4 PFOA	*92*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C5 PFNA	*90*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C2 PFDA	*95*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C2 PFUnA	*99*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C2 PFDoA	*98*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C3 PFBS	*83*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
18O2 PFHxS	*72*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C4 PFOS	*78*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:18*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A23C
Date Collected: 11/17/21 16:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-15
Matrix: Solid
Percent Solids: 87.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.20**	**J**	0.22	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluoropentanoic acid (PFPeA)	**0.10**	**J**	0.22	0.045	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorohexanoic acid (PFHxA)	**0.049**	**J**	0.22	0.034	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorooctanoic acid (PFOA)	**0.10**	**J**	0.22	0.058	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorooctanesulfonic acid (PFOS)	**0.64**		0.22	0.047	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	11/19/21 18:39	11/22/21 21:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C2 PFHxA	*75*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C4 PFHpA	*78*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C5 PFNA	*90*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C2 PFDA	*91*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C2 PFUnA	*90*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C3 PFBS	*78*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
18O2 PFHxS	*69*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C4 PFOS	*77*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
13C8 FOSA	*86*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
M2-6:2 FTS	*94*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*
M2-8:2 FTS	*132*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:28*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-A2-A24C
Date Collected: 11/17/21 15:50
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-18
Matrix: Solid
Percent Solids: 87.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.089**	**J**	0.21	0.048	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluoropentanoic acid (PFPeA)	**0.049**	**J**	0.21	0.042	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorooctanoic acid (PFOA)	**0.057**	**J**	0.21	0.055	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.21	0.045	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/19/21 18:39	11/22/21 21:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C5 PFPeA	*96*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C2 PFHxA	*96*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C4 PFHpA	*99*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C4 PFOA	*102*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C5 PFNA	*109*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C2 PFDA	*110*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C2 PFUnA	*119*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C2 PFDoA	*125*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C3 PFBS	*102*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
18O2 PFHxS	*89*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C4 PFOS	*99*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
13C8 FOSA	*99*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
d3-NMeFOSAA	*113*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
d5-NEtFOSAA	*124*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
M2-6:2 FTS	*140*		*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*
M2-8:2 FTS	*186*	**5+*	*25 - 150*	*11/19/21 18:39*	*11/22/21 21:59*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

Client Sample ID: SSHS-IRM5A2-DUP8C
Date Collected: 11/17/21 00:00
Date Received: 11/18/21 11:00

Lab Sample ID: 180-130126-21
Matrix: Solid
Percent Solids: 87.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.21	0.048	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluoropentanoic acid (PFPeA)	**0.061**	**J**	0.21	0.042	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorohexanoic acid (PFHxA)	**0.039**	**J**	0.21	0.032	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.21	0.055	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorooctanesulfonic acid (PFOS)	**0.26**		0.21	0.044	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/19/21 18:39	11/22/21 22:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C2 PFHxA	*85*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C4 PFHpA	*84*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C4 PFOA	*96*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C5 PFNA	*96*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C2 PFDA	*104*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C2 PFUnA	*103*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C2 PFDoA	*100*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C3 PFBS	*83*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
18O2 PFHxS	*76*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C4 PFOS	*84*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
13C8 FOSA	*87*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*
M2-8:2 FTS	*144*		*25 - 150*	*11/19/21 18:39*	*11/22/21 22:09*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-544472/1-A
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 544472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/19/21 18:39	11/22/21 20:07	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/19/21 18:39	11/22/21 20:07	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C5 PFPeA	*109*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C2 PFHxA	*116*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C4 PFHpA	*121*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C4 PFOA	*132*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C5 PFNA	*122*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C2 PFDA	*127*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C2 PFUnA	*124*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C2 PFDoA	*122*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C2 PFTeDA	*118*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C3 PFBS	*134*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
18O2 PFHxS	*111*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C4 PFOS	*121*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
13C8 FOSA	*112*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
d3-NMeFOSAA	*119*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
d5-NEtFOSAA	*125*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
M2-6:2 FTS	*133*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*
M2-8:2 FTS	*140*		*25 - 150*	*11/19/21 18:39*	*11/22/21 20:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-544472/2-A
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 544472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.85		ug/Kg		92	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		95	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.05		ug/Kg		103	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.91		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.02		ug/Kg		101	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.86		ug/Kg		93	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.88		ug/Kg		94	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.79		ug/Kg		90	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.79		ug/Kg		90	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.49		ug/Kg		84	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.74		ug/Kg		95	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.84		ug/Kg		97	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.76		ug/Kg		95	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.90		ug/Kg		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.91		ug/Kg		96	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.86		ug/Kg		93	72 - 132
6:2 FTS	1.90	2.03		ug/Kg		107	73 - 139
8:2 FTS	1.92	1.93		ug/Kg		101	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*69*		*25 - 150*
13C5 PFPeA	*86*		*25 - 150*
13C2 PFHxA	*85*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*95*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*94*		*25 - 150*
13C2 PFDoA	*95*		*25 - 150*
13C2 PFTeDA	*92*		*25 - 150*
13C3 PFBS	*102*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*91*		*25 - 150*
d3-NMeFOSAA	*93*		*25 - 150*
d5-NEtFOSAA	*99*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-544472/2-A
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 544472

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*96*		*25 - 150*
M2-8:2 FTS	*99*		*25 - 150*

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 544472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.15	J	2.10	2.26		ug/Kg	☼	100	76 - 136
Perfluoropentanoic acid (PFPeA)	0.11	J	2.10	2.11		ug/Kg	☼	95	69 - 129
Perfluorohexanoic acid (PFHxA)	0.037	J	2.10	2.12		ug/Kg	☼	99	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.10	2.19		ug/Kg	☼	104	71 - 131
Perfluorooctanoic acid (PFOA)	0.11	J	2.10	1.95		ug/Kg	☼	88	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.10	2.01		ug/Kg	☼	96	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.10	2.18		ug/Kg	☼	104	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.10	1.96		ug/Kg	☼	94	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.10	1.97		ug/Kg	☼	94	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.10	2.05		ug/Kg	☼	97	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.10	2.01		ug/Kg	☼	96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.86	1.53		ug/Kg	☼	83	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.91	1.81		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.00	1.84		ug/Kg	☼	92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.27		1.95	2.07		ug/Kg	☼	106	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.02	1.93		ug/Kg	☼	96	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.10	2.06		ug/Kg	☼	98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.10	2.32		ug/Kg	☼	110	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.10	2.20		ug/Kg	☼	105	72 - 132
6:2 FTS	ND		1.99	1.88		ug/Kg	☼	94	73 - 139
8:2 FTS	ND		2.01	2.06		ug/Kg	☼	102	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*57*		*25 - 150*
13C5 PFPeA	*75*		*25 - 150*
13C2 PFHxA	*73*		*25 - 150*
13C4 PFHpA	*74*		*25 - 150*
13C4 PFOA	*83*		*25 - 150*
13C5 PFNA	*90*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130126-6 MS
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 544472

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	84		25 - 150
13C3 PFBS	77		25 - 150
18O2 PFHxS	66		25 - 150
13C4 PFOS	74		25 - 150
13C8 FOSA	79		25 - 150
d3-NMeFOSAA	83		25 - 150
d5-NEtFOSAA	91		25 - 150
M2-6:2 FTS	119		25 - 150
M2-8:2 FTS	156	*5+	25 - 150

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 544472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.15	J	2.08	2.10		ug/Kg	☼	94	76 - 136	7	30
Perfluoropentanoic acid (PFPeA)	0.11	J	2.08	2.18		ug/Kg	☼	99	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	0.037	J	2.08	2.13		ug/Kg	☼	101	71 - 131	0	30
Perfluoroheptanoic acid (PFHpA)	ND		2.08	2.02		ug/Kg	☼	97	71 - 131	8	30
Perfluorooctanoic acid (PFOA)	0.11	J	2.08	1.86		ug/Kg	☼	85	72 - 132	5	30
Perfluorononanoic acid (PFNA)	ND		2.08	1.87		ug/Kg	☼	90	73 - 133	7	30
Perfluorodecanoic acid (PFDA)	ND		2.08	1.93		ug/Kg	☼	93	72 - 132	12	30
Perfluoroundecanoic acid (PFUnA)	ND		2.08	1.85		ug/Kg	☼	89	66 - 126	6	30
Perfluorododecanoic acid (PFDoA)	ND		2.08	1.97		ug/Kg	☼	95	71 - 131	0	30
Perfluorotridecanoic acid (PFTriA)	ND		2.08	1.88		ug/Kg	☼	90	71 - 131	9	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.08	2.04		ug/Kg	☼	98	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.84	1.50		ug/Kg	☼	82	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.89	1.69		ug/Kg	☼	89	62 - 122	7	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.98	1.71		ug/Kg	☼	87	76 - 136	7	30
Perfluorooctanesulfonic acid (PFOS)	0.27		1.93	2.00		ug/Kg	☼	104	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.00	1.79		ug/Kg	☼	89	71 - 131	8	30
Perfluorooctanesulfonamide (FOSA)	ND		2.08	2.00		ug/Kg	☼	96	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.08	1.91		ug/Kg	☼	92	72 - 132	19	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.08	2.07		ug/Kg	☼	100	72 - 132	6	30
6:2 FTS	ND		1.97	1.84		ug/Kg	☼	93	73 - 139	2	30
8:2 FTS	ND		1.99	2.19		ug/Kg	☼	110	75 - 135	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	61		25 - 150
13C5 PFPeA	76		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130126-6 MSD
Matrix: Solid
Analysis Batch: 545115

Client Sample ID: SSHS-IRM5A2-A2-A20C
Prep Type: Total/NA
Prep Batch: 544472

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	77		25 - 150
13C4 PFHpA	80		25 - 150
13C4 PFOA	92		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	96		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	99		25 - 150
13C2 PFTeDA	87		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	68		25 - 150
13C4 PFOS	77		25 - 150
13C8 FOSA	82		25 - 150
d3-NMeFOSAA	97		25 - 150
d5-NEtFOSAA	92		25 - 150
M2-6:2 FTS	114		25 - 150
M2-8:2 FTS	153	*5+	25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130126-2

LCMS

Prep Batch: 544472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	SHAKE	
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	SHAKE	
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	SHAKE	
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	SHAKE	
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	SHAKE	
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	SHAKE	
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	SHAKE	
MB 320-544472/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-544472/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	SHAKE	
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	SHAKE	

Analysis Batch: 545115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130126-3	SSHS-IRM5A2-A2-A19C	Total/NA	Solid	537 (modified)	544472
180-130126-6	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	537 (modified)	544472
180-130126-9	SSHS-IRM5A2-A2-A21C	Total/NA	Solid	537 (modified)	544472
180-130126-12	SSHS-IRM5A2-A2-A22C	Total/NA	Solid	537 (modified)	544472
180-130126-15	SSHS-IRM5A2-A2-A23C	Total/NA	Solid	537 (modified)	544472
180-130126-18	SSHS-IRM5A2-A2-A24C	Total/NA	Solid	537 (modified)	544472
180-130126-21	SSHS-IRM5A2-DUP8C	Total/NA	Solid	537 (modified)	544472
MB 320-544472/1-A	Method Blank	Total/NA	Solid	537 (modified)	544472
LCS 320-544472/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	544472
180-130126-6 MS	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	537 (modified)	544472
180-130126-6 MSD	SSHS-IRM5A2-A2-A20C	Total/NA	Solid	537 (modified)	544472

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A19A	11/17/21	1305	G	S	N	N	X								4	Containers for F... sent directly to
SSHS-IRM5A2-A2-A19B	11/17/21	1305	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A19C	11/17/21	1300	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A20A	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20B	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20C	11/17/21	1310	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A21A	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21B	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21C	11/17/21	1320	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A22A	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22B	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22C	11/17/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	

180-130126 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time: 11/18/21 1100	Company: TA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:		FJ	N	N	N	N	N	N	N									
SSHS-IRM5A2-A2-A23A	11/17/21	1605	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A23B	11/17/21	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A23C	11/17/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A24A	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24B	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24C	11/17/21	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP8A	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8B	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8C	11/17/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Colin Lamas	11/17	Geosyntec		11/18/21 1100	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-130126 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A19A	11/17/21	1305	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A19B	11/17/21	1305	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A19C	11/17/21	1300	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A20A	11/17/21	1315	G	S	N	Y	X												12	
SSHS-IRM5A2-A2-A20B	11/17/21	1315	G	S	N	Y	X												12	
SSHS-IRM5A2-A2-A20C	11/17/21	1310	C	S	N	Y		X	X	X	X	X	X	X					10	
SSHS-IRM5A2-A2-A21A	11/17/21	1325	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A21B	11/17/21	1325	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A21C	11/17/21	1320	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A22A	11/17/21	1535	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A22B	11/17/21	1535	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A22C	11/17/21	1530	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Colin	Date/Time: 11/17	Company: Geosyntec	Received by:	Date/Time: 11-19-21 1105	Company EE T Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652174 | Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A23A	11/17/21	1605	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A23B	11/17/21	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A23C	11/17/21	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A24A	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24B	11/17/21	1555	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A24C	11/17/21	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-DUP8A	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8B	11/17/21		G	S	N	N	X													4	
SSHS-IRM5A2-DUP8C	11/17/21		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time: 11-18-21 1105	Company EE&S
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652174 | Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 01/16/2019

11/26/2021

180-130126

eurofins | Environment Testing TestAmerica

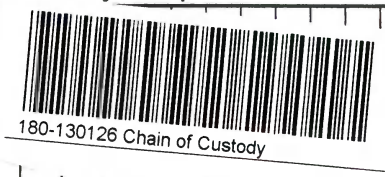
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
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City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested



Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
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P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N		N	N	N	N		
SSHS-IRM5A2-A2-A19A	11/17/21	1305	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A19B	11/17/21	1305	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A19C	11/17/21	1300	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A20A	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20B	11/17/21	1315	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A20C	11/17/21	1310	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A21A	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21B	11/17/21	1325	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A21C	11/17/21	1320	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A22A	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22B	11/17/21	1535	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A22C	11/17/21	1530	C	S	N	N		X	X	X	X	X	X	X	5	

SHORT HOLD

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	17/Nov/2021 1800	Geosyntec	[signature]	11/18/21 1120	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: 1652173 | Cooler Temperature(s) °C and Other Remarks: ID 19 - 4.6 - 4.1

180-130126

eurofins | Environment Testing TestAmerica

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
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Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A23A	11/17/21	1605	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A23B	11/17/21	1605	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A23C	11/17/21	1600	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A24A	11/17/21	1555	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A24B	11/17/21	1555	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A24C	11/17/21	1550	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-DUP8A	11/17/21		G	S	N	N	X								4	
SSHS-IRM5A2-DUP8B	11/17/21		G	S	N	N	X								4	
SSHS-IRM5A2-DUP8C	11/17/21		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 11/17/2021 1800	Company: Geosyntec	Received by:	Date/Time: 11/18/21	Company: TEA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 165273 | Cooler Temperature(s) °C and Other Remarks: ID 4.9 - 4.6 - 4.1

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of _____

Job Number: 180-130126

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 ℃	4.1 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: E.S Date: 11/18/21

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Job: ____ 180-130126 Field Sheet

Tracking # : 7252 1628 0943

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 105 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel ____ Other ____

Cooler Custody Seal: 1652174

Cooler ID: —

Temp Observed: 4.3 °C Corrected: 4.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 11-18-21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11/18/21

Notes: ____

Trizma Lot #(s): ____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 11/18/21

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130126-2

Login Number: 130126
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130126-2

Login Number: 130126
List Number: 3
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/18/21 07:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1652174
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130216-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/26/2021 10:59:27 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130216-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130216-2

Receipt
The samples were received on 11/19/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.2º C and 5.0º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130216-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130216-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130216-3	SSHS-IRM5A2-A2-A25C	Solid	11/18/21 10:30	11/19/21 10:00
180-130216-6	SSHS-IRM5A2-A2-A26C	Solid	11/18/21 10:40	11/19/21 10:00
180-130216-9	SSHS-IRM5A2-A2-A27C	Solid	11/18/21 10:50	11/19/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

Client Sample ID: SSHS-IRM5A2-A2-A25C

Lab Sample ID: 180-130216-3
Date Collected: 11/18/21 10:30
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	544768	11/21/21 19:02	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545201	11/23/21 07:27	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A26C

Lab Sample ID: 180-130216-6
Date Collected: 11/18/21 10:40
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	544768	11/21/21 19:02	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545201	11/23/21 07:57	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A27C

Lab Sample ID: 180-130216-9
Date Collected: 11/18/21 10:50
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	544768	11/21/21 19:02	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			545201	11/23/21 08:07	S1M	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

Client Sample ID: SSHS-IRM5A2-A2-A25C
Date Collected: 11/18/21 10:30
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-3
Matrix: Solid
Percent Solids: 84.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.052	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorooctanesulfonic acid (PFOS)	**0.076**	**J**	0.23	0.049	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	11/21/21 19:02	11/23/21 07:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C5 PFPeA	*100*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C2 PFHxA	*100*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C4 PFHpA	*104*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C4 PFOA	*116*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C5 PFNA	*115*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C2 PFDA	*111*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C2 PFUnA	*111*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C2 PFDoA	*123*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C2 PFTeDA	*119*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C3 PFBS	*108*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
18O2 PFHxS	*97*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C4 PFOS	*107*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
13C8 FOSA	*108*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
d3-NMeFOSAA	*112*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
d5-NEtFOSAA	*114*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:27*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

Client Sample ID: SSHS-IRM5A2-A2-A26C
Date Collected: 11/18/21 10:40
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-6
Matrix: Solid
Percent Solids: 89.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.023	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.053	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.057**	**J**	0.21	0.046	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1
8:2 FTS	ND		0.21	0.038	ug/Kg	☼	11/21/21 19:02	11/23/21 07:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C5 PFPeA	*83*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C2 PFHxA	*84*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C4 PFHpA	*86*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C4 PFOA	*93*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C5 PFNA	*96*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C2 PFDA	*97*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C2 PFUnA	*100*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C2 PFDoA	*109*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C3 PFBS	*89*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
18O2 PFHxS	*80*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C4 PFOS	*87*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
13C8 FOSA	*92*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*
M2-8:2 FTS	*106*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:57*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

Client Sample ID: SSHS-IRM5A2-A2-A27C
Date Collected: 11/18/21 10:50
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-9
Matrix: Solid
Percent Solids: 88.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.073**	**J**	0.21	0.046	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	11/21/21 19:02	11/23/21 08:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C5 PFPeA	*90*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C2 PFHxA	*93*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C4 PFHpA	*94*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C4 PFOA	*98*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C5 PFNA	*103*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C2 PFDA	*97*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C2 PFUnA	*104*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C2 PFDoA	*111*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C3 PFBS	*95*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
18O2 PFHxS	*84*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C4 PFOS	*90*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
13C8 FOSA	*98*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*11/21/21 19:02*	*11/23/21 08:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-544768/1-A
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 544768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/21/21 19:02	11/23/21 07:06	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/21/21 19:02	11/23/21 07:06	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C5 PFPeA	*103*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C2 PFHxA	*107*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C4 PFHpA	*113*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C4 PFOA	*115*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C5 PFNA	*118*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C2 PFDA	*123*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C2 PFUnA	*116*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C2 PFDoA	*120*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C2 PFTeDA	*112*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C3 PFBS	*124*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
18O2 PFHxS	*105*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C4 PFOS	*112*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
13C8 FOSA	*109*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
d3-NMeFOSAA	*114*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
d5-NEtFOSAA	*119*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*
M2-8:2 FTS	*124*		*25 - 150*	*11/21/21 19:02*	*11/23/21 07:06*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-544768/2-A
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 544768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.97		ug/Kg		99	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.03		ug/Kg		101	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.01		ug/Kg		100	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.02		ug/Kg		101	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.95		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		100	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.06		ug/Kg		103	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		101	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.16		ug/Kg		108	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.04		ug/Kg		102	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.02		ug/Kg		101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.49		ug/Kg		84	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.81		ug/Kg		99	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.77		ug/Kg		93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.87		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.86		ug/Kg		96	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.11		ug/Kg		106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.00		ug/Kg		100	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.12		ug/Kg		112	73 - 139
8:2 FTS	1.92	1.91		ug/Kg		100	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*88*		*25 - 150*
13C5 PFPeA	*107*		*25 - 150*
13C2 PFHxA	*107*		*25 - 150*
13C4 PFHpA	*108*		*25 - 150*
13C4 PFOA	*109*		*25 - 150*
13C5 PFNA	*110*		*25 - 150*
13C2 PFDA	*107*		*25 - 150*
13C2 PFUnA	*119*		*25 - 150*
13C2 PFDoA	*116*		*25 - 150*
13C2 PFTeDA	*116*		*25 - 150*
13C3 PFBS	*120*		*25 - 150*
18O2 PFHxS	*101*		*25 - 150*
13C4 PFOS	*112*		*25 - 150*
13C8 FOSA	*108*		*25 - 150*
d3-NMeFOSAA	*111*		*25 - 150*
d5-NEtFOSAA	*112*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-544768/2-A
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 544768

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*104*		*25 - 150*
M2-8:2 FTS	*113*		*25 - 150*

Lab Sample ID: 180-130216-3 MS
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: SSHS-IRM5A2-A2-A25C
Prep Type: Total/NA
Prep Batch: 544768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		2.12	2.02		ug/Kg	☼	95	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.12	2.17		ug/Kg	☼	102	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.12	2.22		ug/Kg	☼	105	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.12	2.09		ug/Kg	☼	99	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.12	2.20		ug/Kg	☼	104	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.12	2.01		ug/Kg	☼	95	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.12	2.11		ug/Kg	☼	100	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.12	2.09		ug/Kg	☼	99	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.12	2.13		ug/Kg	☼	100	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.12	2.02		ug/Kg	☼	96	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.12	1.94		ug/Kg	☼	92	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.87	1.60		ug/Kg	☼	85	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.93	1.81		ug/Kg	☼	94	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.02	1.76		ug/Kg	☼	87	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.076	J	1.97	1.91		ug/Kg	☼	97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.04	1.95		ug/Kg	☼	95	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.12	2.10		ug/Kg	☼	99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.12	2.02		ug/Kg	☼	95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.12	1.97		ug/Kg	☼	93	72 - 132
6:2 FTS	ND		2.01	2.04		ug/Kg	☼	102	73 - 139
8:2 FTS	ND		2.03	1.97		ug/Kg	☼	97	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*93*		*25 - 150*
13C5 PFPeA	*107*		*25 - 150*
13C2 PFHxA	*111*		*25 - 150*
13C4 PFHpA	*118*		*25 - 150*
13C4 PFOA	*123*		*25 - 150*
13C5 PFNA	*125*		*25 - 150*
13C2 PFDA	*123*		*25 - 150*
13C2 PFUnA	*126*		*25 - 150*
13C2 PFDoA	*131*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130216-3 MS
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: SSHS-IRM5A2-A2-A25C
Prep Type: Total/NA
Prep Batch: 544768

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	138		25 - 150
13C3 PFBS	124		25 - 150
18O2 PFHxS	108		25 - 150
13C4 PFOS	123		25 - 150
13C8 FOSA	119		25 - 150
d3-NMeFOSAA	124		25 - 150
d5-NEtFOSAA	135		25 - 150
M2-6:2 FTS	101		25 - 150
M2-8:2 FTS	119		25 - 150

Lab Sample ID: 180-130216-3 MSD
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: SSHS-IRM5A2-A2-A25C
Prep Type: Total/NA
Prep Batch: 544768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.35	2.33		ug/Kg	☼	99	76 - 136	14	30
Perfluoropentanoic acid (PFPeA)	ND		2.35	2.46		ug/Kg	☼	105	69 - 129	13	30
Perfluorohexanoic acid (PFHxA)	ND		2.35	2.37		ug/Kg	☼	101	71 - 131	7	30
Perfluoroheptanoic acid (PFHpA)	ND		2.35	2.37		ug/Kg	☼	101	71 - 131	12	30
Perfluorooctanoic acid (PFOA)	ND		2.35	2.46		ug/Kg	☼	105	72 - 132	11	30
Perfluorononanoic acid (PFNA)	ND		2.35	2.18		ug/Kg	☼	92	73 - 133	8	30
Perfluorodecanoic acid (PFDA)	ND		2.35	2.32		ug/Kg	☼	98	72 - 132	9	30
Perfluoroundecanoic acid (PFUnA)	ND		2.35	2.38		ug/Kg	☼	101	66 - 126	13	30
Perfluorododecanoic acid (PFDoA)	ND		2.35	2.37		ug/Kg	☼	101	71 - 131	11	30
Perfluorotridecanoic acid (PFTriA)	ND		2.35	2.34		ug/Kg	☼	99	71 - 131	14	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.35	2.39		ug/Kg	☼	101	67 - 127	21	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.08	1.80		ug/Kg	☼	87	69 - 129	12	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.14	2.00		ug/Kg	☼	93	62 - 122	10	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.24	2.13		ug/Kg	☼	95	76 - 136	19	30
Perfluorooctanesulfonic acid (PFOS)	0.076	J	2.18	2.10		ug/Kg	☼	96	68 - 141	9	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.27	2.27		ug/Kg	☼	100	71 - 131	15	30
Perfluorooctanesulfonamide (FOSA)	ND		2.35	2.35		ug/Kg	☼	100	77 - 137	11	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.35	2.30		ug/Kg	☼	98	72 - 132	13	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.35	2.47		ug/Kg	☼	105	72 - 132	22	30
6:2 FTS	ND		2.23	2.14		ug/Kg	☼	96	73 - 139	4	30
8:2 FTS	ND		2.25	2.49		ug/Kg	☼	111	75 - 135	23	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	87		25 - 150
13C5 PFPeA	99		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-130216-3 MSD
Matrix: Solid
Analysis Batch: 545201

Client Sample ID: SSHS-IRM5A2-A2-A25C
Prep Type: Total/NA
Prep Batch: 544768

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	99		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	118		25 - 150
13C2 PFDA	114		25 - 150
13C2 PFUnA	109		25 - 150
13C2 PFDoA	119		25 - 150
13C2 PFTeDA	116		25 - 150
13C3 PFBS	106		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	107		25 - 150
13C8 FOSA	110		25 - 150
d3-NMeFOSAA	118		25 - 150
d5-NEtFOSAA	106		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	105		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-2

LCMS

Prep Batch: 544768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	SHAKE	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	SHAKE	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	SHAKE	
MB 320-544768/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-544768/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-130216-3 MS	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	SHAKE	
180-130216-3 MSD	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	SHAKE	

Analysis Batch: 545201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	537 (modified)	544768
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	537 (modified)	544768
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	537 (modified)	544768
MB 320-544768/1-A	Method Blank	Total/NA	Solid	537 (modified)	544768
LCS 320-544768/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	544768
180-130216-3 MS	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	537 (modified)	544768
180-130216-3 MSD	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	537 (modified)	544768

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A25A	11/18/21	1035	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A25B	11/18/21	1035	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A25C	11/18/21	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A26A	11/18/21	1045	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A26B	11/18/21	1045	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A26C	11/18/21	1040	C	S	N	Y		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A27A	11/18/21	1055	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A27B	11/18/21	1055	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A27C	11/18/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	

180-130216 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 m
☐ Return To Client ☐ Disposal By Lab ☐ Archive For

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Austin Hobart	Date/Time: 11.18.21 16:30	Company: Geosyntec	Received by:	Date/Time: 11/19/21 1000	Company: EAP Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-130216 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastesoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A25A	11/18/21	1035	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A25B	11/18/21	1035	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A25C	11/18/21	1030	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A26A	11/18/21	1045	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A26B	11/18/21	1045	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A26C	11/18/21	1040	C	S	N	Y		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A27A	11/18/21	1055	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A27B	11/18/21	1055	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A27C	11/18/21	1050	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Justin Tolbert	11.18.21 1630	Geosyntec		11/19/21 1054	T-E-T-A
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1647887 | Cooler Temperature(s) °C and Other Remarks: 3.2

~~Samples show discoloration, MC 11-19-21~~ MC 11-19-21

Ver: 01/16/2019

Page 19 of 25

11/26/2021

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

SHORT HOLD

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A25A	11/18/21	1035	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A25B	11/18/21	1035	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A25C	11/18/21	1030	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A26A	11/18/21	1045	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A26B	11/18/21	1045	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A26C	11/18/21	1040	C	S	N	Y		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A27A	11/18/21	1055	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A27B	11/18/21	1055	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A27C	11/18/21	1050	C	S	N	N		X	X	X	X	X	X	X	5	

180-130216 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kristin Hebert	11.18.21 16:30	Company: Geosyntec	FED/ViaFedEx	11/19/21 11:00	Company ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: ID#9 - 3.4=2.9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: _____

Number of Coolers: 1 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.4 °C	2.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: F.T **Date:** 11/19/21

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Sacramento Sample Receiving Notes

180-130216 Field Sheet

Job: _____

Tracking # : 1752 1642 6378

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-01 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: 1643887

Cooler ID: _____

Temp Observed: 3.2 °C Corrected: 3.2 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☐	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: DV Date: 11/19/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled? NC	☑	☐	☐
Sample preservatives verified? 11-19-21	☑	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 11-19-21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 11-19-21

WR3-168



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 18NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56DJ09A7EJFE4A

FedEx Express

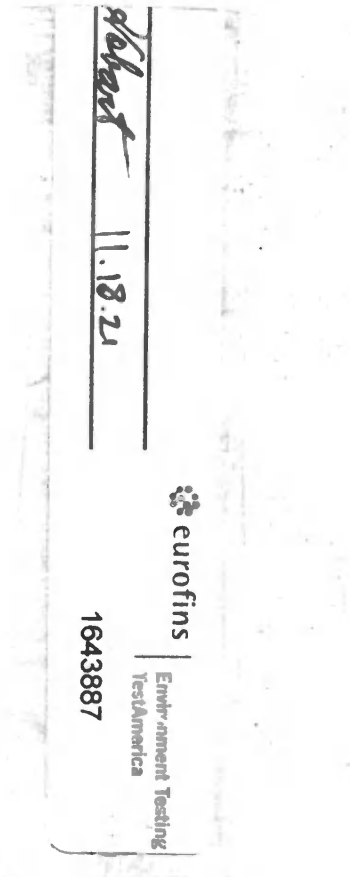
FedEx Ship Manager - Print Your Label(s)

FRI - 19 NOV 11:30A
PRIORITY OVERNIGHT

TRK# 0201 **7752 1642 6378**

XW BLUA

95605
CA-US **SMF**



Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130216-2

Login Number: 130216
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130216-2

Login Number: 130216
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/19/21 06:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1643887
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-130216-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/29/2021 12:09:43 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-130216-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-130216-1

Receipt
The samples were received on 11/19/21 at the Eurofins TestAmerica Pittsburgh, PA, Edison, NJ, and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.2º C and 5.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A27C (180-130216-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-380019 (CCV 180-380019/1) was below criteria for aroclor 1254 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1254 did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-380019 (CCVIS 180-380019/5) was above criteria for aroclor 1260 for 1 peak on column RTX-CLP1. Associated sample results for aroclor 1260 did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-380019 (CCVIS 180-38001/26) was above criteria for aroclor 1260 for 1 peak on column RTX-CLP1 and 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 did not have these peaks included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-IRM5A2-A2-A27A (180-130216-7) was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-130216-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-130216-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130216-1	SSHS-IRM5A2-A2-A25A	Solid	11/18/21 10:35	11/19/21 10:00
180-130216-2	SSHS-IRM5A2-A2-A25B	Solid	11/18/21 10:35	11/19/21 10:00
180-130216-3	SSHS-IRM5A2-A2-A25C	Solid	11/18/21 10:30	11/19/21 10:00
180-130216-4	SSHS-IRM5A2-A2-A26A	Solid	11/18/21 10:45	11/19/21 10:00
180-130216-5	SSHS-IRM5A2-A2-A26B	Solid	11/18/21 10:45	11/19/21 10:00
180-130216-6	SSHS-IRM5A2-A2-A26C	Solid	11/18/21 10:40	11/19/21 10:00
180-130216-7	SSHS-IRM5A2-A2-A27A	Solid	11/18/21 10:55	11/19/21 10:00
180-130216-8	SSHS-IRM5A2-A2-A27B	Solid	11/18/21 10:55	11/19/21 10:00
180-130216-9	SSHS-IRM5A2-A2-A27C	Solid	11/18/21 10:50	11/19/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL EDI
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

Client Sample ID: SSHS-IRM5A2-A2-A25A
Lab Sample ID: 180-130216-1
Date Collected: 11/18/21 10:35
Matrix: Solid
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			815337	11/25/21 03:56	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A25A
Lab Sample ID: 180-130216-1
Date Collected: 11/18/21 10:35
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.634 g	5 mL	814459	11/20/21 08:38	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/22/21 02:08	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A25B
Lab Sample ID: 180-130216-2
Date Collected: 11/18/21 10:35
Matrix: Solid
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			815337	11/25/21 03:56	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A25B
Lab Sample ID: 180-130216-2
Date Collected: 11/18/21 10:35
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.016 g	5 mL	814459	11/20/21 08:39	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/22/21 02:30	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A25C
Lab Sample ID: 180-130216-3
Date Collected: 11/18/21 10:30
Matrix: Solid
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379764	11/22/21 10:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A25C
Lab Sample ID: 180-130216-3
Date Collected: 11/18/21 10:30
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	380181	11/26/21 22:04	VVP	TAL PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

Client Sample ID: SSHS-IRM5A2-A2-A25C
Lab Sample ID: 180-130216-3
Date Collected: 11/18/21 10:30
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	379774	11/23/21 09:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	380024	11/24/21 06:45	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	380025	11/24/21 06:46	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			380019	11/24/21 13:53	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.22 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:39	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	379677	11/22/21 05:13	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379754	11/22/21 09:38	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:19	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 18:29	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A26A
Lab Sample ID: 180-130216-4
Date Collected: 11/18/21 10:45
Matrix: Solid
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			815337	11/25/21 03:56	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A26A
Lab Sample ID: 180-130216-4
Date Collected: 11/18/21 10:45
Matrix: Solid
Date Received: 11/19/21 10:00
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.838 g	5 mL	814459	11/20/21 08:40	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/22/21 02:52	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A26B
Lab Sample ID: 180-130216-5
Date Collected: 11/18/21 10:45
Matrix: Solid
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			815337	11/25/21 03:56	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

Client Sample ID: SSHS-IRM5A2-A2-A26B
Date Collected: 11/18/21 10:45
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-5
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.894 g	5 mL	814459	11/20/21 08:41	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/22/21 03:15	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A26C
Date Collected: 11/18/21 10:40
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379764	11/22/21 10:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A26C
Date Collected: 11/18/21 10:40
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-6
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	380181	11/26/21 22:26	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	379774	11/23/21 09:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	380024	11/24/21 06:45	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	380025	11/24/21 06:46	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			380019	11/24/21 14:12	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.01 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:44	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.79 g	100 mL	379677	11/22/21 05:13	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379754	11/22/21 09:39	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:20	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 18:31	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A27A
Date Collected: 11/18/21 10:55
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			815337	11/25/21 03:56	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A27A — Lab Sample ID: 180-130216-7

Date Collected: 11/18/21 10:55 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 91.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.574 g	5 mL	814459	11/20/21 08:42	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/22/21 03:37	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A27B — Lab Sample ID: 180-130216-8

Date Collected: 11/18/21 10:55 — **Matrix: Solid**
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			815337	11/25/21 03:56	MIE	TAL EDI
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A27B — Lab Sample ID: 180-130216-8

Date Collected: 11/18/21 10:55 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.759 g	5 mL	814459	11/20/21 08:43	YXG	TAL EDI
Total/NA	Analysis	8260D		1	5 mL	5 mL	814624	11/22/21 03:59	EMM	TAL EDI
	Instrument ID: CVOAMS9									

Client Sample ID: SSHS-IRM5A2-A2-A27C — Lab Sample ID: 180-130216-9

Date Collected: 11/18/21 10:50 — **Matrix: Solid**
Date Received: 11/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			379764	11/22/21 10:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A27C — Lab Sample ID: 180-130216-9

Date Collected: 11/18/21 10:50 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 88.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	379873	11/22/21 18:47	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	379912	11/23/21 20:34	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	379774	11/23/21 09:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	380024	11/24/21 06:45	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	380025	11/24/21 06:46	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			380019	11/24/21 14:49	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.04 g	100 mL	379762	11/22/21 11:40	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			380016	11/23/21 23:48	RJR	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

Client Sample ID: SSHS-IRM5A2-A2-A27C

Date Collected: 11/18/21 10:50
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-9

Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.76 g	100 mL	379677	11/22/21 05:13	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			379754	11/22/21 09:40	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	380006	11/23/21 18:22	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	379939	11/23/21 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			380068	11/23/21 18:32	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900
TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL EDI
- Batch Type: Prep
  - YXG = Yong Gao
- Batch Type: Analysis
  - EMM = Eddie Martinez
  - MIE = Mohab Elnagaa

Lab: TAL PIT
- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KFS = Kelly Shannon
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A25A — Lab Sample ID: 180-130216-1

Date Collected: 11/18/21 10:35 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 93.4**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0057	0.0054	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Benzene	ND		0.00095	0.00025	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
2-Butanone (MEK)	ND		0.0048	0.00035	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Carbon tetrachloride	ND		0.00095	0.00037	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Chlorobenzene	ND		0.00095	0.00017	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Chloroform	ND		0.00095	0.00092	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
cis-1,2-Dichloroethene	ND		0.00095	0.00034	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,2-Dichlorobenzene	ND		0.00095	0.00034	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,3-Dichlorobenzene	ND		0.00095	0.00035	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,4-Dichlorobenzene	ND		0.00095	0.00021	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,1-Dichloroethane	ND		0.00095	0.00020	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,2-Dichloroethane	ND		0.00095	0.00028	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,1-Dichloroethene	ND		0.00095	0.00021	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,4-Dioxane	ND		0.019	0.0087	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Ethylbenzene	ND		0.00095	0.00019	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Methylene Chloride	ND		0.0019	0.0011	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Methyl tert-butyl ether	ND		0.00095	0.00049	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
n-Butylbenzene	ND		0.00095	0.00028	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
N-Propylbenzene	ND		0.00095	0.00017	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
sec-Butylbenzene	ND		0.00095	0.00027	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
tert-Butylbenzene	ND		0.00095	0.00026	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Tetrachloroethene	**0.00064**	**J**	0.00095	0.00029	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Toluene	ND		0.00095	0.00022	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
trans-1,2-Dichloroethene	ND		0.00095	0.00023	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,1,1-Trichloroethane	ND		0.00095	0.00022	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Trichloroethene	**0.00041**	**J**	0.00095	0.00031	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,2,4-Trimethylbenzene	ND		0.00095	0.00023	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
1,3,5-Trimethylbenzene	ND		0.00095	0.00030	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Vinyl chloride	ND		0.00095	0.00052	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1
Xylenes, Total	ND		0.0019	0.00061	mg/Kg	☼	11/20/21 08:38	11/22/21 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*	*11/20/21 08:38*	*11/22/21 02:08*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/20/21 08:38*	*11/22/21 02:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*11/20/21 08:38*	*11/22/21 02:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*11/20/21 08:38*	*11/22/21 02:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.6**		1.0	1.0	%			11/25/21 03:56	1
Percent Solids	**93.4**		1.0	1.0	%			11/25/21 03:56	1

Client Sample ID: SSHS-IRM5A2-A2-A25B — Lab Sample ID: 180-130216-2

Date Collected: 11/18/21 10:35 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 89.3**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0048	0.0046	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Benzene	ND		0.00080	0.00021	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1

Client Sample ID: SSHS-IRM5A2-A2-A25B
Lab Sample ID: 180-130216-2
Date Collected: 11/18/21 10:35 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 89.3**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0040	0.00029	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Carbon tetrachloride	ND		0.00080	0.00031	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Chlorobenzene	ND		0.00080	0.00014	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Chloroform	ND		0.00080	0.00077	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
cis-1,2-Dichloroethene	ND		0.00080	0.00029	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,2-Dichlorobenzene	ND		0.00080	0.00029	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,3-Dichlorobenzene	ND		0.00080	0.00029	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,4-Dichlorobenzene	ND		0.00080	0.00018	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,1-Dichloroethane	ND		0.00080	0.00016	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,2-Dichloroethane	ND		0.00080	0.00024	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,1-Dichloroethene	ND		0.00080	0.00018	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,4-Dioxane	ND		0.016	0.0073	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Ethylbenzene	ND		0.00080	0.00016	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Methylene Chloride	ND		0.0016	0.00091	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Methyl tert-butyl ether	ND		0.00080	0.00041	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
n-Butylbenzene	ND		0.00080	0.00023	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
N-Propylbenzene	ND		0.00080	0.00014	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
sec-Butylbenzene	ND		0.00080	0.00023	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
tert-Butylbenzene	ND		0.00080	0.00022	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Tetrachloroethene	**0.00057**	**J**	0.00080	0.00024	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Toluene	ND		0.00080	0.00019	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
trans-1,2-Dichloroethene	ND		0.00080	0.00020	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,1,1-Trichloroethane	ND		0.00080	0.00019	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Trichloroethene	**0.00033**	**J**	0.00080	0.00026	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,2,4-Trimethylbenzene	ND		0.00080	0.00020	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
1,3,5-Trimethylbenzene	ND		0.00080	0.00025	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Vinyl chloride	ND		0.00080	0.00044	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1
Xylenes, Total	ND		0.0016	0.00051	mg/Kg	☼	11/20/21 08:39	11/22/21 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*	*11/20/21 08:39*	*11/22/21 02:30*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/20/21 08:39*	*11/22/21 02:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*11/20/21 08:39*	*11/22/21 02:30*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*11/20/21 08:39*	*11/22/21 02:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		1.0	1.0	%			11/25/21 03:56	1
Percent Solids	**89.3**		1.0	1.0	%			11/25/21 03:56	1

Client Sample ID: SSHS-IRM5A2-A2-A25C
Lab Sample ID: 180-130216-3
Date Collected: 11/18/21 10:30 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 84.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0079	0.0023	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Acenaphthylene	ND		0.0079	0.0017	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Anthracene	ND		0.0079	0.0020	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Benzo[a]anthracene	**0.0090**		0.0079	0.0035	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1

Client Sample ID: SSHS-IRM5A2-A2-A25C **Lab Sample ID: 180-130216-3**
Date Collected: 11/18/21 10:30 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 84.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0051**	**J**	0.0079	0.0034	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Benzo[b]fluoranthene	**0.0087**		0.0079	0.0019	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Benzo[g,h,i]perylene	**0.0047**	**J**	0.0079	0.0017	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Benzo[k]fluoranthene	**0.0052**	**J**	0.0079	0.0024	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Chrysene	**0.0093**		0.0079	0.0044	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Dibenz(a,h)anthracene	ND		0.0079	0.0050	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Dibenzofuran	ND		0.039	0.014	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
2,4-Dinitrotoluene	ND		0.039	0.023	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
1,4-Dioxane	ND		0.079	0.012	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Fluoranthene	**0.0090**		0.0079	0.0021	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Fluorene	ND		0.0079	0.0015	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Hexachlorobenzene	ND		0.0079	0.0028	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Hexachlorobutadiene	ND		0.0079	0.0023	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Indeno[1,2,3-cd]pyrene	**0.0044**	**J**	0.0079	0.0039	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Methylphenol, 3 & 4	ND		0.039	0.012	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Naphthalene	ND		0.0079	0.0015	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Nitrobenzene	ND		0.079	0.014	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Phenanthrene	**0.0076**	**J**	0.0079	0.0021	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Phenol	ND		0.039	0.012	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Pyrene	**0.012**		0.0079	0.0019	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
Pyridine	ND		0.079	0.021	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	11/22/21 18:47	11/26/21 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*11/22/21 18:47*	*11/26/21 22:04*	*1*
2-Fluorophenol (Surr)	*78*		*32 - 105*	*11/22/21 18:47*	*11/26/21 22:04*	*1*
Nitrobenzene-d5 (Surr)	*94*		*34 - 109*	*11/22/21 18:47*	*11/26/21 22:04*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*11/22/21 18:47*	*11/26/21 22:04*	*1*
Terphenyl-d14 (Surr)	*91*		*20 - 117*	*11/22/21 18:47*	*11/26/21 22:04*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*	*11/22/21 18:47*	*11/26/21 22:04*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1248	ND		0.019	0.0046	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1254	ND		0.019	0.0058	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	11/23/21 09:30	11/24/21 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*11/23/21 09:30*	*11/24/21 13:53*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*11/23/21 09:30*	*11/24/21 13:53*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A25C — Lab Sample ID: 180-130216-3

Date Collected: 11/18/21 10:30 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 84.3**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*11/23/21 09:30*	*11/24/21 13:53*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*11/23/21 09:30*	*11/24/21 13:53*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.97	0.38	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Barium	**160**		19	1.0	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Beryllium	**0.39**		0.39	0.022	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Cadmium	**0.050**	**J**	0.49	0.035	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Chromium	**10**		0.49	0.40	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Copper	**18**		2.4	2.2	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Lead	**9.8**		0.97	0.50	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Manganese	**390**		1.5	0.39	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Nickel	**18**		3.9	0.24	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Selenium	ND		0.97	0.50	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Silver	ND		0.49	0.10	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1
Zinc	**56**		1.9	1.5	mg/Kg	☼	11/22/21 11:40	11/23/21 23:39	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.038	0.025	mg/Kg	☼	11/22/21 05:13	11/22/21 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.7**		0.1	0.1	%			11/22/21 10:30	1
Percent Solids	**84.3**		0.1	0.1	%			11/22/21 10:30	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	11/22/21 10:33	11/23/21 18:19	1
Cyanide, Total	ND		0.54	0.29	mg/Kg	☼	11/23/21 14:15	11/23/21 18:29	1

Client Sample ID: SSHS-IRM5A2-A2-A26A — Lab Sample ID: 180-130216-4

Date Collected: 11/18/21 10:45 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 91.8**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0048	0.0046	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Benzene	ND		0.00080	0.00021	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
2-Butanone (MEK)	ND		0.0040	0.00029	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Carbon tetrachloride	ND		0.00080	0.00031	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Chlorobenzene	ND		0.00080	0.00014	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Chloroform	ND		0.00080	0.00077	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
cis-1,2-Dichloroethene	ND		0.00080	0.00029	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,2-Dichlorobenzene	ND		0.00080	0.00029	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,3-Dichlorobenzene	ND		0.00080	0.00029	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,4-Dichlorobenzene	ND		0.00080	0.00018	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,1-Dichloroethane	ND		0.00080	0.00016	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,2-Dichloroethane	ND		0.00080	0.00024	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,1-Dichloroethene	ND		0.00080	0.00018	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,4-Dioxane	ND		0.016	0.0073	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Ethylbenzene	ND		0.00080	0.00016	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1

Client Sample ID: SSHS-IRM5A2-A2-A26A — Lab Sample ID: 180-130216-4

Date Collected: 11/18/21 10:45 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 91.8**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0016	0.00091	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Methyl tert-butyl ether	ND		0.00080	0.00041	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
n-Butylbenzene	ND		0.00080	0.00023	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
N-Propylbenzene	ND		0.00080	0.00014	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
sec-Butylbenzene	ND		0.00080	0.00023	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
tert-Butylbenzene	ND		0.00080	0.00022	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Tetrachloroethene	**0.00067**	**J**	0.00080	0.00024	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Toluene	ND		0.00080	0.00019	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
trans-1,2-Dichloroethene	ND		0.00080	0.00020	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,1,1-Trichloroethane	ND		0.00080	0.00019	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Trichloroethene	**0.0018**		0.00080	0.00026	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,2,4-Trimethylbenzene	ND		0.00080	0.00020	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
1,3,5-Trimethylbenzene	ND		0.00080	0.00025	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Vinyl chloride	ND		0.00080	0.00043	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1
Xylenes, Total	ND		0.0016	0.00051	mg/Kg	☼	11/20/21 08:40	11/22/21 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*	*11/20/21 08:40*	*11/22/21 02:52*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/20/21 08:40*	*11/22/21 02:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 145*	*11/20/21 08:40*	*11/22/21 02:52*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*11/20/21 08:40*	*11/22/21 02:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		1.0	1.0	%			11/25/21 03:56	1
Percent Solids	**91.8**		1.0	1.0	%			11/25/21 03:56	1

Client Sample ID: SSHS-IRM5A2-A2-A26B — Lab Sample ID: 180-130216-5

Date Collected: 11/18/21 10:45 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 89.4**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0049	0.0046	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Benzene	ND		0.00081	0.00021	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
2-Butanone (MEK)	ND		0.0041	0.00030	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Carbon tetrachloride	ND		0.00081	0.00031	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Chlorobenzene	ND		0.00081	0.00014	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Chloroform	ND		0.00081	0.00079	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
cis-1,2-Dichloroethene	ND		0.00081	0.00029	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,2-Dichlorobenzene	ND		0.00081	0.00029	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,3-Dichlorobenzene	ND		0.00081	0.00030	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,4-Dichlorobenzene	ND		0.00081	0.00018	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,1-Dichloroethane	ND		0.00081	0.00017	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,2-Dichloroethane	ND		0.00081	0.00024	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,1-Dichloroethene	ND		0.00081	0.00018	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,4-Dioxane	ND		0.016	0.0074	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Ethylbenzene	ND		0.00081	0.00016	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Methylene Chloride	ND		0.0016	0.00093	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Methyl tert-butyl ether	ND		0.00081	0.00042	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1

Client Sample ID: SSHS-IRM5A2-A2-A26B
Lab Sample ID: 180-130216-5
Date Collected: 11/18/21 10:45 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 89.4**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.00081	0.00024	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
N-Propylbenzene	ND		0.00081	0.00014	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
sec-Butylbenzene	ND		0.00081	0.00023	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
tert-Butylbenzene	ND		0.00081	0.00022	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Tetrachloroethene	ND		0.00081	0.00025	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Toluene	ND		0.00081	0.00019	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
trans-1,2-Dichloroethene	ND		0.00081	0.00020	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,1,1-Trichloroethane	ND		0.00081	0.00019	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Trichloroethene	**0.00028**	**J**	0.00081	0.00026	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,2,4-Trimethylbenzene	ND		0.00081	0.00020	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
1,3,5-Trimethylbenzene	ND		0.00081	0.00025	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Vinyl chloride	ND		0.00081	0.00044	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1
Xylenes, Total	ND		0.0016	0.00052	mg/Kg	☼	11/20/21 08:41	11/22/21 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 139*	*11/20/21 08:41*	*11/22/21 03:15*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/20/21 08:41*	*11/22/21 03:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*11/20/21 08:41*	*11/22/21 03:15*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*	*11/20/21 08:41*	*11/22/21 03:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.6**		1.0	1.0	%			11/25/21 03:56	1
Percent Solids	**89.4**		1.0	1.0	%			11/25/21 03:56	1

Client Sample ID: SSHS-IRM5A2-A2-A26C
Lab Sample ID: 180-130216-6
Date Collected: 11/18/21 10:40 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 89.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0075	0.0022	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Acenaphthylene	**0.033**		0.0075	0.0016	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Anthracene	**0.027**		0.0075	0.0019	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Benzo[a]anthracene	**0.13**		0.0075	0.0034	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Benzo[a]pyrene	**0.10**		0.0075	0.0032	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Benzo[b]fluoranthene	**0.14**		0.0075	0.0018	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Benzo[g,h,i]perylene	**0.081**		0.0075	0.0016	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Benzo[k]fluoranthene	**0.050**		0.0075	0.0022	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Chrysene	**0.13**		0.0075	0.0041	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Dibenz(a,h)anthracene	**0.017**		0.0075	0.0048	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Fluoranthene	**0.20**		0.0075	0.0020	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Fluorene	**0.0066**	**J**	0.0075	0.0015	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Indeno[1,2,3-cd]pyrene	**0.075**		0.0075	0.0037	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1

Client Sample ID: SSHS-IRM5A2-A2-A26C
Date Collected: 11/18/21 10:40
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-6
Matrix: Solid
Percent Solids: 89.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Naphthalene	**0.035**		0.0075	0.0015	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Phenanthrene	**0.070**		0.0075	0.0020	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Phenol	ND		0.037	0.011	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Pyrene	**0.20**		0.0075	0.0018	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
Pyridine	ND		0.075	0.020	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	11/22/21 18:47	11/26/21 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*35 - 105*	*11/22/21 18:47*	*11/26/21 22:26*	*1*
2-Fluorophenol (Surr)	*77*		*32 - 105*	*11/22/21 18:47*	*11/26/21 22:26*	*1*
Nitrobenzene-d5 (Surr)	*96*		*34 - 109*	*11/22/21 18:47*	*11/26/21 22:26*	*1*
Phenol-d5 (Surr)	*75*		*34 - 105*	*11/22/21 18:47*	*11/26/21 22:26*	*1*
Terphenyl-d14 (Surr)	*101*		*20 - 117*	*11/22/21 18:47*	*11/26/21 22:26*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*	*11/22/21 18:47*	*11/26/21 22:26*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1248	**0.016**	**J**	0.019	0.0045	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1254	**0.025**		0.019	0.0056	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1260	**0.025**		0.019	0.0053	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/23/21 09:30	11/24/21 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*11/23/21 09:30*	*11/24/21 14:12*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*11/23/21 09:30*	*11/24/21 14:12*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*11/23/21 09:30*	*11/24/21 14:12*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*11/23/21 09:30*	*11/24/21 14:12*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		1.1	0.43	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Barium	**43**		22	1.2	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Beryllium	**0.31**	**J**	0.44	0.025	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Cadmium	**0.11**	**J**	0.55	0.040	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Chromium	**9.0**		0.55	0.46	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Copper	**36**		2.8	2.6	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Lead	**16**		1.1	0.57	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Manganese	**350**		1.7	0.45	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Nickel	**18**		4.4	0.28	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Selenium	ND		1.1	0.57	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1

Client Sample ID: SSHS-IRM5A2-A2-A26C
Lab Sample ID: 180-130216-6
Date Collected: 11/18/21 10:40 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 89.2**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.55	0.12	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1
Zinc	**73**		2.2	1.8	mg/Kg	☼	11/22/21 11:40	11/23/21 23:44	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.074**		0.028	0.018	mg/Kg	☼	11/22/21 05:13	11/22/21 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.8**		0.1	0.1	%			11/22/21 10:30	1
Percent Solids	**89.2**		0.1	0.1	%			11/22/21 10:30	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 10:33	11/23/21 18:20	1
Cyanide, Total	ND		0.45	0.24	mg/Kg	☼	11/23/21 14:15	11/23/21 18:31	1

Client Sample ID: SSHS-IRM5A2-A2-A27A
Lab Sample ID: 180-130216-7
Date Collected: 11/18/21 10:55 **Matrix: Solid**
Date Received: 11/19/21 10:00 **Percent Solids: 91.2**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0043	0.0041	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Benzene	ND		0.00072	0.00019	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
2-Butanone (MEK)	ND		0.0036	0.00027	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Carbon tetrachloride	ND		0.00072	0.00028	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Chlorobenzene	ND		0.00072	0.00013	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Chloroform	ND		0.00072	0.00070	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
cis-1,2-Dichloroethene	ND		0.00072	0.00026	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,2-Dichlorobenzene	ND		0.00072	0.00026	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,3-Dichlorobenzene	ND		0.00072	0.00026	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,4-Dichlorobenzene	ND		0.00072	0.00016	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,1-Dichloroethane	ND		0.00072	0.00015	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,2-Dichloroethane	ND		0.00072	0.00021	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,1-Dichloroethene	ND		0.00072	0.00016	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,4-Dioxane	ND		0.014	0.0066	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Ethylbenzene	ND		0.00072	0.00014	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Methylene Chloride	ND		0.0014	0.00083	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Methyl tert-butyl ether	ND		0.00072	0.00037	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
n-Butylbenzene	ND		0.00072	0.00021	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
N-Propylbenzene	ND		0.00072	0.00013	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
sec-Butylbenzene	ND		0.00072	0.00021	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
tert-Butylbenzene	ND		0.00072	0.00020	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Tetrachloroethene	ND		0.00072	0.00022	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Toluene	ND		0.00072	0.00017	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
trans-1,2-Dichloroethene	ND		0.00072	0.00018	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,1,1-Trichloroethane	ND		0.00072	0.00017	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Trichloroethene	**0.0010**		0.00072	0.00023	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,2,4-Trimethylbenzene	ND		0.00072	0.00018	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
1,3,5-Trimethylbenzene	ND		0.00072	0.00023	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Vinyl chloride	ND		0.00072	0.00040	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1
Xylenes, Total	ND		0.0014	0.00046	mg/Kg	☼	11/20/21 08:42	11/22/21 03:37	1

Client Sample ID: SSHS-IRM5A2-A2-A27A — Lab Sample ID: 180-130216-7

Date Collected: 11/18/21 10:55 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 91.2**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*99*		*70 - 139*	*11/20/21 08:42*	*11/22/21 03:37*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*11/20/21 08:42*	*11/22/21 03:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*11/20/21 08:42*	*11/22/21 03:37*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*11/20/21 08:42*	*11/22/21 03:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		1.0	1.0	%			11/25/21 03:56	1
Percent Solids	**91.2**		1.0	1.0	%			11/25/21 03:56	1

Client Sample ID: SSHS-IRM5A2-A2-A27B — Lab Sample ID: 180-130216-8

Date Collected: 11/18/21 10:55 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 88.3**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0050	0.0048	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Benzene	ND		0.00084	0.00022	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
2-Butanone (MEK)	ND		0.0042	0.00031	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Carbon tetrachloride	ND		0.00084	0.00032	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Chlorobenzene	ND		0.00084	0.00015	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Chloroform	ND		0.00084	0.00081	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
cis-1,2-Dichloroethene	ND		0.00084	0.00030	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,2-Dichlorobenzene	ND		0.00084	0.00030	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,3-Dichlorobenzene	ND		0.00084	0.00031	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,4-Dichlorobenzene	ND		0.00084	0.00019	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,1-Dichloroethane	ND		0.00084	0.00017	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,2-Dichloroethane	ND		0.00084	0.00025	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,1-Dichloroethene	ND		0.00084	0.00019	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,4-Dioxane	ND		0.017	0.0077	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Ethylbenzene	ND		0.00084	0.00017	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Methylene Chloride	ND		0.0017	0.00096	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Methyl tert-butyl ether	ND		0.00084	0.00043	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
n-Butylbenzene	ND		0.00084	0.00025	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
N-Propylbenzene	ND		0.00084	0.00015	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
sec-Butylbenzene	ND		0.00084	0.00024	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
tert-Butylbenzene	ND		0.00084	0.00023	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Tetrachloroethene	ND		0.00084	0.00026	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Toluene	ND		0.00084	0.00020	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
trans-1,2-Dichloroethene	ND		0.00084	0.00021	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,1,1-Trichloroethane	ND		0.00084	0.00020	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Trichloroethene	**0.0016**		0.00084	0.00027	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,2,4-Trimethylbenzene	ND		0.00084	0.00021	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
1,3,5-Trimethylbenzene	ND		0.00084	0.00026	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Vinyl chloride	ND		0.00084	0.00046	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1
Xylenes, Total	ND		0.0017	0.00054	mg/Kg	☼	11/20/21 08:43	11/22/21 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*98*		*70 - 139*	*11/20/21 08:43*	*11/22/21 03:59*	*1*
Dibromofluoromethane (Surr)	*103*		*48 - 150*	*11/20/21 08:43*	*11/22/21 03:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*	*11/20/21 08:43*	*11/22/21 03:59*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A27B — Lab Sample ID: 180-130216-8

Date Collected: 11/18/21 10:55 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 88.3**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*105*		*80 - 120*	*11/20/21 08:43*	*11/22/21 03:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		1.0	1.0	%			11/25/21 03:56	1
Percent Solids	**88.3**		1.0	1.0	%			11/25/21 03:56	1

Client Sample ID: SSHS-IRM5A2-A2-A27C — Lab Sample ID: 180-130216-9

Date Collected: 11/18/21 10:50 — **Matrix: Solid**
Date Received: 11/19/21 10:00 — **Percent Solids: 88.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.021**	**J**	0.075	0.021	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Acenaphthylene	**1.2**		0.075	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Anthracene	**3.4**		0.075	0.019	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Benzo[a]anthracene	**7.8**		0.075	0.034	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Benzo[a]pyrene	**6.0**		0.075	0.032	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Benzo[b]fluoranthene	**7.2**		0.075	0.018	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Benzo[g,h,i]perylene	**3.9**		0.075	0.016	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Benzo[k]fluoranthene	**3.4**		0.075	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Chrysene	**8.4**		0.075	0.041	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Dibenz(a,h)anthracene	**1.1**		0.075	0.048	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Dibenzofuran	ND		0.37	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
2,4-Dinitrotoluene	ND		0.37	0.22	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
1,4-Dioxane	ND		0.74	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Fluoranthene	**12**		0.075	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Fluorene	**0.10**		0.075	0.015	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Hexachlorobenzene	ND		0.075	0.027	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Hexachlorobutadiene	ND		0.075	0.022	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Hexachloroethane	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Indeno[1,2,3-cd]pyrene	**3.9**		0.075	0.037	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
2-Methylphenol	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Methylphenol, 3 & 4	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Naphthalene	**0.54**		0.075	0.014	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Nitrobenzene	ND		0.74	0.14	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Pentachlorophenol	ND		1.9	0.60	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Phenanthrene	**2.9**		0.075	0.020	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Phenol	ND		0.37	0.11	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Pyrene	**11**		0.075	0.018	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
Pyridine	ND		0.75	0.20	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
2,4,5-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10
2,4,6-Trichlorophenol	ND		0.37	0.12	mg/Kg	☼	11/22/21 18:47	11/23/21 20:34	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*91*		*35 - 105*	*11/22/21 18:47*	*11/23/21 20:34*	*10*
2-Fluorophenol (Surr)	*83*		*32 - 105*	*11/22/21 18:47*	*11/23/21 20:34*	*10*
Nitrobenzene-d5 (Surr)	*96*		*34 - 109*	*11/22/21 18:47*	*11/23/21 20:34*	*10*
Phenol-d5 (Surr)	*88*		*34 - 105*	*11/22/21 18:47*	*11/23/21 20:34*	*10*
Terphenyl-d14 (Surr)	*100*		*20 - 117*	*11/22/21 18:47*	*11/23/21 20:34*	*10*

Client Sample ID: SSHS-IRM5A2-A2-A27C
Date Collected: 11/18/21 10:50
Date Received: 11/19/21 10:00

Lab Sample ID: 180-130216-9
Matrix: Solid
Percent Solids: 88.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*56*		*20 - 119*	*11/22/21 18:47*	*11/23/21 20:34*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1254	**0.085**		0.019	0.0056	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1260	**0.085**		0.019	0.0053	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	11/23/21 09:30	11/24/21 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*11/23/21 09:30*	*11/24/21 14:49*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*11/23/21 09:30*	*11/24/21 14:49*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*11/23/21 09:30*	*11/24/21 14:49*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*11/23/21 09:30*	*11/24/21 14:49*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		1.1	0.42	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Barium	**42**		22	1.2	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Beryllium	**0.32**	**J**	0.43	0.025	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Cadmium	**0.073**	**J**	0.54	0.040	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Chromium	**8.8**		0.54	0.45	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Copper	**37**		2.7	2.5	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Lead	**16**		1.1	0.56	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Manganese	**380**		1.6	0.44	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Nickel	**15**		4.3	0.27	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Selenium	ND		1.1	0.56	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Silver	ND		0.54	0.11	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1
Zinc	**61**		2.2	1.7	mg/Kg	☼	11/22/21 11:40	11/23/21 23:48	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.094**		0.029	0.019	mg/Kg	☼	11/22/21 05:13	11/22/21 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.5**		0.1	0.1	%			11/22/21 10:30	1
Percent Solids	**88.5**		0.1	0.1	%			11/22/21 10:30	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	11/22/21 10:33	11/23/21 18:22	1
Cyanide, Total	ND		0.54	0.29	mg/Kg	☼	11/23/21 14:15	11/23/21 18:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-814624/9
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0060	0.0057	mg/Kg			11/21/21 18:42	1
Benzene	ND		0.0010	0.00026	mg/Kg			11/21/21 18:42	1
2-Butanone (MEK)	ND		0.0050	0.00037	mg/Kg			11/21/21 18:42	1
Carbon tetrachloride	ND		0.0010	0.00039	mg/Kg			11/21/21 18:42	1
Chlorobenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 18:42	1
Chloroform	ND		0.0010	0.00097	mg/Kg			11/21/21 18:42	1
cis-1,2-Dichloroethene	ND		0.0010	0.00036	mg/Kg			11/21/21 18:42	1
1,2-Dichlorobenzene	ND		0.0010	0.00036	mg/Kg			11/21/21 18:42	1
1,3-Dichlorobenzene	ND		0.0010	0.00037	mg/Kg			11/21/21 18:42	1
1,4-Dichlorobenzene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
1,1-Dichloroethane	ND		0.0010	0.00021	mg/Kg			11/21/21 18:42	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/Kg			11/21/21 18:42	1
1,1-Dichloroethene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
1,4-Dioxane	ND		0.020	0.0092	mg/Kg			11/21/21 18:42	1
Ethylbenzene	ND		0.0010	0.00020	mg/Kg			11/21/21 18:42	1
Methylene Chloride	ND		0.0020	0.0011	mg/Kg			11/21/21 18:42	1
Methyl tert-butyl ether	ND		0.0010	0.00051	mg/Kg			11/21/21 18:42	1
n-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 18:42	1
N-Propylbenzene	ND		0.0010	0.00018	mg/Kg			11/21/21 18:42	1
sec-Butylbenzene	ND		0.0010	0.00029	mg/Kg			11/21/21 18:42	1
tert-Butylbenzene	ND		0.0010	0.00028	mg/Kg			11/21/21 18:42	1
Tetrachloroethene	ND		0.0010	0.00031	mg/Kg			11/21/21 18:42	1
Toluene	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
trans-1,2-Dichloroethene	ND		0.0010	0.00025	mg/Kg			11/21/21 18:42	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg			11/21/21 18:42	1
Trichloroethene	ND		0.0010	0.00032	mg/Kg			11/21/21 18:42	1
1,2,4-Trimethylbenzene	ND		0.0010	0.00025	mg/Kg			11/21/21 18:42	1
1,3,5-Trimethylbenzene	ND		0.0010	0.00031	mg/Kg			11/21/21 18:42	1
Vinyl chloride	ND		0.0010	0.00055	mg/Kg			11/21/21 18:42	1
Xylenes, Total	ND		0.0020	0.00064	mg/Kg			11/21/21 18:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 139*		*11/21/21 18:42*	*1*
Dibromofluoromethane (Surr)	*100*		*48 - 150*		*11/21/21 18:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*		*11/21/21 18:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/21/21 18:42*	*1*

Lab Sample ID: LCS 460-814624/4
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.0797		mg/Kg		80	63 - 131
Benzene	0.0200	0.0213		mg/Kg		107	80 - 123
2-Butanone (MEK)	0.100	0.0787		mg/Kg		79	75 - 120
Carbon tetrachloride	0.0200	0.0191		mg/Kg		96	72 - 136
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-814624/4
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	80 - 123
1,2-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,4-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
1,1-Dichloroethane	0.0200	0.0216		mg/Kg		108	76 - 129
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 132
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	77 - 132
1,4-Dioxane	0.400	0.382		mg/Kg		96	73 - 136
Ethylbenzene	0.0200	0.0188		mg/Kg		94	80 - 120
Methylene Chloride	0.0200	0.0191		mg/Kg		96	76 - 127
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		94	80 - 125
n-Butylbenzene	0.0200	0.0199		mg/Kg		100	77 - 123
N-Propylbenzene	0.0200	0.0206		mg/Kg		103	78 - 120
sec-Butylbenzene	0.0200	0.0199		mg/Kg		100	78 - 120
tert-Butylbenzene	0.0200	0.0196		mg/Kg		98	76 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		98	78 - 123
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		98	78 - 128
1,1,1-Trichloroethane	0.0200	0.0189		mg/Kg		94	78 - 132
Trichloroethene	0.0200	0.0191		mg/Kg		96	79 - 120
1,2,4-Trimethylbenzene	0.0200	0.0192		mg/Kg		96	79 - 120
1,3,5-Trimethylbenzene	0.0200	0.0196		mg/Kg		98	79 - 120
Vinyl chloride	0.0200	0.0192		mg/Kg		96	56 - 147
Xylenes, Total	0.0400	0.0375		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-814624/5
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.100	0.0797		mg/Kg		80	63 - 131	0	30
Benzene	0.0200	0.0217		mg/Kg		108	80 - 123	2	30
2-Butanone (MEK)	0.100	0.0791		mg/Kg		79	75 - 120	0	30
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	72 - 136	3	30
Chlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	1	30
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126	0	30
cis-1,2-Dichloroethene	0.0200	0.0186		mg/Kg		93	80 - 123	1	30
1,2-Dichlorobenzene	0.0200	0.0183		mg/Kg		91	80 - 120	1	30
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120	0	30
1,1-Dichloroethane	0.0200	0.0215		mg/Kg		107	76 - 129	0	30
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 132	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-814624/5
Matrix: Solid
Analysis Batch: 814624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0188		mg/Kg		94	77 - 132	2	30
1,4-Dioxane			0.400	0.375		mg/Kg		94	73 - 136	2	30
Ethylbenzene			0.0200	0.0187		mg/Kg		93	80 - 120	1	30
Methylene Chloride			0.0200	0.0195		mg/Kg		97	76 - 127	2	30
Methyl tert-butyl ether			0.0200	0.0193		mg/Kg		96	80 - 125	2	30
n-Butylbenzene			0.0200	0.0204		mg/Kg		102	77 - 123	2	30
N-Propylbenzene			0.0200	0.0203		mg/Kg		101	78 - 120	2	30
sec-Butylbenzene			0.0200	0.0205		mg/Kg		102	78 - 120	3	30
tert-Butylbenzene			0.0200	0.0203		mg/Kg		102	76 - 120	4	30
Tetrachloroethene			0.0200	0.0194		mg/Kg		97	78 - 123	0	30
Toluene			0.0200	0.0197		mg/Kg		99	80 - 120	1	30
trans-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	78 - 128	1	30
1,1,1-Trichloroethane			0.0200	0.0194		mg/Kg		97	78 - 132	3	30
Trichloroethene			0.0200	0.0194		mg/Kg		97	79 - 120	2	30
1,2,4-Trimethylbenzene			0.0200	0.0193		mg/Kg		97	79 - 120	0	30
1,3,5-Trimethylbenzene			0.0200	0.0197		mg/Kg		99	79 - 120	1	30
Vinyl chloride			0.0200	0.0200		mg/Kg		100	56 - 147	4	30
Xylenes, Total			0.0400	0.0373		mg/Kg		93	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 139*
Dibromofluoromethane (Surr)	*100*		*48 - 150*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
Toluene-d8 (Surr)	*106*		*80 - 120*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-379873/1-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Anthracene	ND		0.0067	0.0017	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Chrysene	ND		0.0067	0.0037	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Fluorene	ND		0.0067	0.0013	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		11/22/21 18:47	11/23/21 13:45	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-379873/1-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Phenol	ND		0.033	0.010	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Pyrene	ND		0.0067	0.0016	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
Pyridine	ND		0.067	0.018	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		11/22/21 18:47	11/23/21 13:45	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		11/22/21 18:47	11/23/21 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*35 - 105*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
2-Fluorophenol (Surr)	*88*		*32 - 105*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
Nitrobenzene-d5 (Surr)	*94*		*34 - 109*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
Terphenyl-d14 (Surr)	*103*		*20 - 117*	*11/22/21 18:47*	*11/23/21 13:45*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*20 - 119*	*11/22/21 18:47*	*11/23/21 13:45*	*1*

Lab Sample ID: LCS 180-379873/2-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.556		mg/Kg		83	41 - 100
Acenaphthylene	0.667	0.549		mg/Kg		82	45 - 100
Anthracene	0.667	0.580		mg/Kg		87	47 - 100
Benzo[a]anthracene	0.667	0.650		mg/Kg		97	47 - 100
Benzo[a]pyrene	0.667	0.500		mg/Kg		75	45 - 101
Benzo[b]fluoranthene	0.667	0.520		mg/Kg		78	44 - 100
Benzo[g,h,i]perylene	0.667	0.538		mg/Kg		81	45 - 103
Benzo[k]fluoranthene	0.667	0.491		mg/Kg		74	43 - 100
Chrysene	0.667	0.567		mg/Kg		85	44 - 100
Dibenz(a,h)anthracene	0.667	0.533		mg/Kg		80	46 - 107
Dibenzofuran	0.667	0.565		mg/Kg		85	47 - 100
2,4-Dinitrotoluene	0.667	0.610		mg/Kg		91	48 - 106
1,4-Dioxane	0.667	0.309		mg/Kg		46	10 - 133
Fluoranthene	0.667	0.579		mg/Kg		87	49 - 102
Fluorene	0.667	0.569		mg/Kg		85	46 - 100
Hexachlorobenzene	0.667	0.593		mg/Kg		89	45 - 101
Hexachlorobutadiene	0.667	0.567		mg/Kg		85	38 - 110
Hexachloroethane	0.667	0.470		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.565		mg/Kg		85	48 - 104
2-Methylphenol	0.667	0.473		mg/Kg		71	43 - 101
Methylphenol, 3 & 4	0.667	0.461		mg/Kg		69	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-379873/2-A
Matrix: Solid
Analysis Batch: 379934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	0.667	0.517		mg/Kg		78	43 - 100
Nitrobenzene	0.667	0.584		mg/Kg		88	43 - 107
Pentachlorophenol	1.33	1.29		mg/Kg		96	34 - 112
Phenanthrene	0.667	0.558		mg/Kg		84	46 - 100
Phenol	0.667	0.514		mg/Kg		77	42 - 103
Pyrene	0.667	0.579		mg/Kg		87	44 - 102
Pyridine	1.33	1.17		mg/Kg		87	25 - 109
2,4,5-Trichlorophenol	0.667	0.630		mg/Kg		94	47 - 108
2,4,6-Trichlorophenol	0.667	0.632		mg/Kg		95	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*35 - 105*
2-Fluorophenol (Surr)	*92*		*32 - 105*
Nitrobenzene-d5 (Surr)	*95*		*34 - 109*
Phenol-d5 (Surr)	*84*		*34 - 105*
Terphenyl-d14 (Surr)	*100*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*99*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-379774/1-A
Matrix: Solid
Analysis Batch: 380019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1221	ND		0.017	0.0059	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1232	ND		0.017	0.0041	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1242	ND		0.017	0.0024	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1248	ND		0.017	0.0040	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1254	ND		0.017	0.0050	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1260	ND		0.017	0.0047	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1262	ND		0.017	0.0059	mg/Kg		11/23/21 09:30	11/24/21 09:31	1
PCB-1268	ND		0.017	0.0022	mg/Kg		11/23/21 09:30	11/24/21 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*11/23/21 09:30*	*11/24/21 09:31*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/23/21 09:30*	*11/24/21 09:31*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*11/23/21 09:30*	*11/24/21 09:31*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*11/23/21 09:30*	*11/24/21 09:31*	*1*

Lab Sample ID: LCS 180-379774/2-A
Matrix: Solid
Analysis Batch: 380019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	0.840		mg/Kg		63	43 - 136
PCB-1260	1.33	1.12		mg/Kg		84	55 - 128

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-379774/2-A
Matrix: Solid
Analysis Batch: 380019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379774

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-379762/1-A
Matrix: Solid
Analysis Batch: 380016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.39	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Barium	ND		20	1.1	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Beryllium	ND		0.40	0.023	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Cadmium	ND		0.50	0.036	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Chromium	ND		0.50	0.41	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Copper	ND		2.5	2.3	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Lead	ND		1.0	0.51	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Manganese	ND		1.5	0.41	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Nickel	ND		4.0	0.25	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Selenium	ND		1.0	0.52	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Silver	ND		0.50	0.11	mg/Kg		11/22/21 11:40	11/23/21 22:00	1
Zinc	ND		2.0	1.6	mg/Kg		11/22/21 11:40	11/23/21 22:00	1

Lab Sample ID: LCS 180-379762/2-A
Matrix: Solid
Analysis Batch: 380016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	98.8		mg/Kg		99	80 - 120
Barium	100	98.3		mg/Kg		98	80 - 120
Beryllium	50.0	50.5		mg/Kg		101	80 - 120
Cadmium	50.0	48.7		mg/Kg		97	80 - 120
Chromium	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.5		mg/Kg		99	80 - 120
Lead	50.0	47.6		mg/Kg		95	80 - 120
Manganese	50.0	49.0		mg/Kg		98	80 - 120
Nickel	50.0	48.2		mg/Kg		96	80 - 120
Selenium	100	95.5		mg/Kg		96	80 - 120
Silver	25.0	24.3		mg/Kg		97	80 - 120
Zinc	25.0	24.5		mg/Kg		98	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-379677/1-A
Matrix: Solid
Analysis Batch: 379754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/22/21 05:13	11/22/21 09:19	1

Lab Sample ID: LCS 180-379677/2-A
Matrix: Solid
Analysis Batch: 379754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.462		mg/Kg		111	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-379767/1-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		11/22/21 10:33	11/23/21 17:59	1

Lab Sample ID: LCSI 180-379767/3-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	652		mg/Kg		92	80 - 120

Lab Sample ID: LCSS 180-379767/2-A
Matrix: Solid
Analysis Batch: 380006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379767

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.8		mg/Kg		94	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-379939/4-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 379939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		11/23/21 14:15	11/23/21 17:35	1

Lab Sample ID: HLCS 180-379939/2-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-379939/3-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	21.9		mg/Kg		95	17 - 163

Lab Sample ID: LLCS 180-379939/1-A
Matrix: Solid
Analysis Batch: 380068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379939

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0472		mg/Kg		94	90 - 110

Method: Moisture - Percent Moisture

Lab Sample ID: 180-130216-7 DU
Matrix: Solid
Analysis Batch: 815337

Client Sample ID: SSHS-IRM5A2-A2-A27A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	8.8		11.1	F3	%		23	20
Percent Solids	91.2		88.9		%		3	20

GC/MS VOA

Prep Batch: 814459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-1	SSHS-IRM5A2-A2-A25A	Total/NA	Solid	5035	
180-130216-2	SSHS-IRM5A2-A2-A25B	Total/NA	Solid	5035	
180-130216-4	SSHS-IRM5A2-A2-A26A	Total/NA	Solid	5035	
180-130216-5	SSHS-IRM5A2-A2-A26B	Total/NA	Solid	5035	
180-130216-7	SSHS-IRM5A2-A2-A27A	Total/NA	Solid	5035	
180-130216-8	SSHS-IRM5A2-A2-A27B	Total/NA	Solid	5035	

Analysis Batch: 814624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-1	SSHS-IRM5A2-A2-A25A	Total/NA	Solid	8260D	814459
180-130216-2	SSHS-IRM5A2-A2-A25B	Total/NA	Solid	8260D	814459
180-130216-4	SSHS-IRM5A2-A2-A26A	Total/NA	Solid	8260D	814459
180-130216-5	SSHS-IRM5A2-A2-A26B	Total/NA	Solid	8260D	814459
180-130216-7	SSHS-IRM5A2-A2-A27A	Total/NA	Solid	8260D	814459
180-130216-8	SSHS-IRM5A2-A2-A27B	Total/NA	Solid	8260D	814459
MB 460-814624/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-814624/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-814624/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 379873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	3541	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	3541	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	3541	
MB 180-379873/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379873/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 379912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	EPA 8270D LL	379873

Analysis Batch: 379934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-379873/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	379873
LCS 180-379873/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	379873

Analysis Batch: 380181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	EPA 8270D LL	379873
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	EPA 8270D LL	379873

GC Semi VOA

Prep Batch: 379774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	3541	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	3541	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	3541	
MB 180-379774/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-379774/2-A	Lab Control Sample	Total/NA	Solid	3541	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-130216-1

GC Semi VOA

Analysis Batch: 380019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	EPA 8082A	380025
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	EPA 8082A	380025
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	EPA 8082A	380025
MB 180-379774/1-A	Method Blank	Total/NA	Solid	EPA 8082A	379774
LCS 180-379774/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	379774

Cleanup Batch: 380024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	3665A	379774
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	3665A	379774
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	3665A	379774

Cleanup Batch: 380025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	3660B	380024
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	3660B	380024
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	3660B	380024

Metals

Prep Batch: 379677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	7471B	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	7471B	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	7471B	
MB 180-379677/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-379677/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 379754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	EPA 7471B	379677
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	EPA 7471B	379677
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	EPA 7471B	379677
MB 180-379677/1-A	Method Blank	Total/NA	Solid	EPA 7471B	379677
LCS 180-379677/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	379677

Prep Batch: 379762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	3050B	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	3050B	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	3050B	
MB 180-379762/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-379762/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 380016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	EPA 6010C	379762
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	EPA 6010C	379762
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	EPA 6010C	379762
MB 180-379762/1-A	Method Blank	Total/NA	Solid	EPA 6010C	379762
LCS 180-379762/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	379762

General Chemistry

Analysis Batch: 379764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	2540G	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	2540G	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	2540G	

Prep Batch: 379767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	3060A	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	3060A	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	3060A	
MB 180-379767/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-379767/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-379767/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 379939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	9010C	
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	9010C	
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	9010C	
MB 180-379939/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-379939/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-379939/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-379939/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 380006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	EPA 7196A	379767
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	EPA 7196A	379767
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	EPA 7196A	379767
MB 180-379767/1-A	Method Blank	Total/NA	Solid	EPA 7196A	379767
LCSI 180-379767/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379767
LCSS 180-379767/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	379767

Analysis Batch: 380068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-3	SSHS-IRM5A2-A2-A25C	Total/NA	Solid	EPA 9014	379939
180-130216-6	SSHS-IRM5A2-A2-A26C	Total/NA	Solid	EPA 9014	379939
180-130216-9	SSHS-IRM5A2-A2-A27C	Total/NA	Solid	EPA 9014	379939
MB 180-379939/4-A	Method Blank	Total/NA	Solid	EPA 9014	379939
HLCS 180-379939/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379939
LCS 180-379939/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379939
LLCS 180-379939/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	379939

Analysis Batch: 815337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130216-1	SSHS-IRM5A2-A2-A25A	Total/NA	Solid	Moisture	
180-130216-2	SSHS-IRM5A2-A2-A25B	Total/NA	Solid	Moisture	
180-130216-4	SSHS-IRM5A2-A2-A26A	Total/NA	Solid	Moisture	
180-130216-5	SSHS-IRM5A2-A2-A26B	Total/NA	Solid	Moisture	
180-130216-7	SSHS-IRM5A2-A2-A27A	Total/NA	Solid	Moisture	
180-130216-8	SSHS-IRM5A2-A2-A27B	Total/NA	Solid	Moisture	
180-130216-7 DU	SSHS-IRM5A2-A2-A27A	Total/NA	Solid	Moisture	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A25A	11/18/21	1035	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A25B	11/18/21	1035	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A25C	11/18/21	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A26A	11/18/21	1045	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A26B	11/18/21	1045	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A26C	11/18/21	1040	C	S	N	Y		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A27A	11/18/21	1055	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A27B	11/18/21	1055	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A27C	11/18/21	1050	C	S	N	N		X	X	X	X	X	X	X						5	

180-130216 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 m
☐ Return To Client ☐ Disposal By Lab ☐ Archive For

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Austin Hobart	Date/Time: 11.18.21 16:30	Company: Geosyntec	Received by:	Date/Time: 11/19/21 1000	Company: EAP Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-130216 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastestl, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A25A	11/18/21	1035	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A25B	11/18/21	1035	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A25C	11/18/21	1030	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A26A	11/18/21	1045	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A26B	11/18/21	1045	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A26C	11/18/21	1040	C	S	N	Y		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A27A	11/18/21	1055	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A27B	11/18/21	1055	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A27C	11/18/21	1050	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Justin Tolbert	11.18.21 1630	Geosyntec		11/19/21 1054	T-E-T-A
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1647887 | Cooler Temperature(s) °C and Other Remarks: 3.2

~~D. Samples show discoloration, MC 11-19-21~~ MC 11-19-21

Ver: 01/16/2019

Page 36 of 41
11/29/2021

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

SHORT HOLD

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A25A	11/18/21	1035	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A25B	11/18/21	1035	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A25C	11/18/21	1030	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A26A	11/18/21	1045	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A26B	11/18/21	1045	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A26C	11/18/21	1040	C	S	N	Y		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A27A	11/18/21	1055	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A27B	11/18/21	1055	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A27C	11/18/21	1050	C	S	N	N		X	X	X	X	X	X	X	5	

180-130216 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kristin Hebert	11.18.21 16:30	Company: Geosyntec	FED/ViaFedEx	11/19/21 11:00	Company ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: ID#9 - 3.4=2.9

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: _____

Number of Coolers: 1 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.4 °C	2.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: F.T **Date:** 11/19/21

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Sacramento Sample Receiving Notes

180-130216 Field Sheet

Job: _____

Tracking # : 1752 1642 6378

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-01 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: 1643887

Cooler ID: _____

Temp Observed: 3.2 °C Corrected: 3.2 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☐	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: DM Date: 11/19/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled? NC	☑	☐	☐
Sample preservatives verified? 11-19-21	☑	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 11-19-21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 11-19-21

WR3-168



FedEx Ship Manager - Print Your Label(s)

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 18NOV21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832I
INV: 01
PO: 28 DEPT: 1751

56DJ09A7EJFE4A

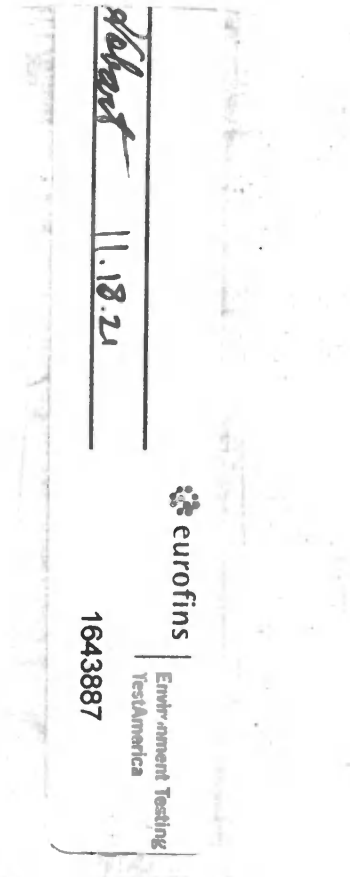
FedEx Express

FRI - 19 NOV 11:30A
PRIORITY OVERNIGHT

TRK# 0201 **7752 1642 6378**

XW BLUA

95605
CA-US **SMF**



Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-130216-1

Login Number: 130216
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-131934-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/11/2022 8:43:32 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Job ID: 180-131934-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-131934-2

Comments
Notation was made to the coc regarding the TAT.

Receipt
The samples were received on 1/5/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.9º C, 3.2º C and 3.3º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A28C (180-131934-3), SSHS-IRM5A2-A2-A29C (180-131934-6), SSHS-IRM5A2-A2-A30C (180-131934-9), SSHS-IRM5A2-A2-A31C (180-131934-12), and SSHS-IRM5A2-A2-DUP9C (180-131934-15). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-131934-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-131934-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-131934-3	SSHS-IRM5A2-A2-A28C	Solid	01/04/22 11:30	01/05/22 10:30
180-131934-6	SSHS-IRM5A2-A2-A29C	Solid	01/04/22 12:00	01/05/22 10:30
180-131934-9	SSHS-IRM5A2-A2-A30C	Solid	01/04/22 12:15	01/05/22 10:30
180-131934-12	SSHS-IRM5A2-A2-A31C	Solid	01/04/22 14:00	01/05/22 10:30
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Solid	01/04/22 00:00	01/05/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Client Sample ID: SSHS-IRM5A2-A2-A28C
Lab Sample ID: 180-131934-3
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.26 g	10.0 mL	556321	01/05/22 19:11	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			556373	01/06/22 10:04	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A29C
Lab Sample ID: 180-131934-6
Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	556321	01/05/22 19:11	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			556373	01/06/22 10:14	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A30C
Lab Sample ID: 180-131934-9
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	556321	01/05/22 19:11	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			556561	01/07/22 06:00	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A31C
Lab Sample ID: 180-131934-12
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.40 g	10.0 mL	556321	01/05/22 19:11	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			556373	01/06/22 10:54	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Lab Sample ID: 180-131934-15
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.44 g	10.0 mL	556321	01/05/22 19:11	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			556373	01/06/22 11:04	S1M	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Analyst References:

Lab: TAL SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

S1M = Sudarat Mongkol

Client Sample ID: SSHS-IRM5A2-A2-A28C
Date Collected: 01/04/22 11:30
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-3
Matrix: Solid
Percent Solids: 87.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.095**	**J B**	0.22	0.050	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorohexanoic acid (PFHxA)	**0.035**	**J**	0.22	0.034	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorooctanoic acid (PFOA)	**0.086**	**J**	0.22	0.058	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorooctanesulfonic acid (PFOS)	**0.15**	**J I**	0.22	0.047	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	01/05/22 19:11	01/06/22 10:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*45*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C5 PFPeA	*80*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C2 PFHxA	*86*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C4 PFHpA	*91*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C4 PFOA	*90*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C5 PFNA	*86*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C2 PFDA	*92*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C2 PFUnA	*100*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C2 PFDoA	*90*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C3 PFBS	*73*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
18O2 PFHxS	*67*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C4 PFOS	*70*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
13C8 FOSA	*82*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:04*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-131934-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A29C
Lab Sample ID: 180-131934-6
Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.080**	**J B**	0.22	0.051	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J**	0.22	0.034	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorooctanoic acid (PFOA)	**0.093**	**J**	0.22	0.059	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J I**	0.22	0.048	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	01/05/22 19:11	01/06/22 10:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*49*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C5 PFPeA	*81*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C2 PFHxA	*83*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C4 PFHpA	*85*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C4 PFOA	*87*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C5 PFNA	*82*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C2 PFDA	*88*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C2 PFUnA	*95*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C3 PFBS	*72*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
18O2 PFHxS	*64*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C4 PFOS	*65*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
13C8 FOSA	*77*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:14*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Client Sample ID: SSHS-IRM5A2-A2-A30C
Date Collected: 01/04/22 12:15
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-9
Matrix: Solid
Percent Solids: 88.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.086**	**J B**	0.23	0.052	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluoropentanoic acid (PFPeA)	**0.046**	**J**	0.23	0.046	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorohexanoic acid (PFHxA)	**0.044**	**J**	0.23	0.035	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.23	0.060	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorooctanesulfonic acid (PFOS)	**0.15**	**J I**	0.23	0.048	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	01/05/22 19:11	01/07/22 06:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*42*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C5 PFPeA	*80*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C2 PFHxA	*83*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C4 PFHpA	*84*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C4 PFOA	*87*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C5 PFNA	*91*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C2 PFDA	*91*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C2 PFUnA	*94*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C2 PFDoA	*91*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C3 PFBS	*69*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
18O2 PFHxS	*63*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C4 PFOS	*67*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
13C8 FOSA	*78*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*01/05/22 19:11*	*01/07/22 06:00*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-131934-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A31C
Lab Sample ID: 180-131934-12
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.074**	**J B**	0.21	0.049	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorooctanoic acid (PFOA)	**0.057**	**J**	0.21	0.056	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorooctanesulfonic acid (PFOS)	**0.078**	**J I**	0.21	0.046	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	01/05/22 19:11	01/06/22 10:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*41*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C5 PFPeA	*78*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C2 PFHxA	*85*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C4 PFHpA	*88*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C4 PFOA	*91*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C5 PFNA	*87*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C2 PFDA	*97*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C2 PFUnA	*93*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C2 PFDoA	*88*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C3 PFBS	*78*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
18O2 PFHxS	*70*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C4 PFOS	*74*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
13C8 FOSA	*83*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
M2-6:2 FTS	*115*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*01/05/22 19:11*	*01/06/22 10:54*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Date Collected: 01/04/22 00:00
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-15
Matrix: Solid
Percent Solids: 88.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.055**	**J B**	0.21	0.048	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorooctanesulfonic acid (PFOS)	**0.060**	**J I**	0.21	0.044	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/05/22 19:11	01/06/22 11:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*42*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C5 PFPeA	*75*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C2 PFHxA	*93*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C4 PFHpA	*92*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C4 PFOA	*91*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C5 PFNA	*91*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C2 PFDA	*95*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C2 PFUnA	*102*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C2 PFDoA	*92*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C3 PFBS	*82*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
18O2 PFHxS	*74*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C4 PFOS	*78*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
13C8 FOSA	*85*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*
M2-8:2 FTS	*108*		*25 - 150*	*01/05/22 19:11*	*01/06/22 11:04*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-556321/1-A
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0561	J	0.20	0.046	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/05/22 19:11	01/06/22 08:53	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/05/22 19:11	01/06/22 08:53	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*40*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C5 PFPeA	*76*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C2 PFHxA	*83*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C4 PFHpA	*88*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C4 PFOA	*83*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C5 PFNA	*85*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C2 PFDA	*89*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C2 PFUnA	*84*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C2 PFDoA	*80*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C3 PFBS	*84*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
18O2 PFHxS	*73*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C4 PFOS	*78*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
13C8 FOSA	*80*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*
M2-8:2 FTS	*109*		*25 - 150*	*01/05/22 19:11*	*01/06/22 08:53*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-556321/2-A
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.85		ug/Kg		93	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.85		ug/Kg		93	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.99		ug/Kg		99	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.73		ug/Kg		86	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.95		ug/Kg		97	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.00		ug/Kg		100	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.88		ug/Kg		94	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.07		ug/Kg		103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.87		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.49		ug/Kg		85	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.74		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.84		ug/Kg		96	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.72		ug/Kg		93	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.88		ug/Kg		98	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.99		ug/Kg		100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.00		ug/Kg		100	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.81		ug/Kg		91	72 - 132
6:2 FTS	1.90	1.76		ug/Kg		93	73 - 139
8:2 FTS	1.92	1.91		ug/Kg		100	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*43*		*25 - 150*
13C5 PFPeA	*76*		*25 - 150*
13C2 PFHxA	*83*		*25 - 150*
13C4 PFHpA	*86*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*86*		*25 - 150*
13C2 PFDA	*91*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*86*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*84*		*25 - 150*
18O2 PFHxS	*76*		*25 - 150*
13C4 PFOS	*81*		*25 - 150*
13C8 FOSA	*80*		*25 - 150*
d3-NMeFOSAA	*92*		*25 - 150*
d5-NEtFOSAA	*99*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-556321/2-A
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556321

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*128*		*25 - 150*
M2-8:2 FTS	*106*		*25 - 150*

Lab Sample ID: 180-131934-15 MS
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Prep Type: Total/NA
Prep Batch: 556321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.055	J B	2.16	2.06		ug/Kg	☼	93	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.16	2.02		ug/Kg	☼	93	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.16	1.92		ug/Kg	☼	89	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.16	1.96		ug/Kg	☼	91	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.16	2.08		ug/Kg	☼	96	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.16	2.03		ug/Kg	☼	94	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.16	2.04		ug/Kg	☼	94	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.16	2.06		ug/Kg	☼	95	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.16	2.08		ug/Kg	☼	96	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.16	2.21		ug/Kg	☼	102	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.16	1.97		ug/Kg	☼	91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.91	1.69		ug/Kg	☼	88	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.97	1.88		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.06	1.93		ug/Kg	☼	94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.060	J I	2.01	1.91		ug/Kg	☼	92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.09	1.94		ug/Kg	☼	93	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.16	2.11		ug/Kg	☼	97	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.16	2.23		ug/Kg	☼	103	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.16	2.23		ug/Kg	☼	103	72 - 132
6:2 FTS	ND		2.05	2.12		ug/Kg	☼	103	73 - 139
8:2 FTS	ND		2.07	1.93		ug/Kg	☼	93	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*40*		*25 - 150*
13C5 PFPeA	*80*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*95*		*25 - 150*
13C4 PFOA	*91*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-131934-15 MS
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Prep Type: Total/NA
Prep Batch: 556321

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	95		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	70		25 - 150
13C4 PFOS	77		25 - 150
13C8 FOSA	82		25 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	103		25 - 150
M2-6:2 FTS	110		25 - 150
M2-8:2 FTS	110		25 - 150

Lab Sample ID: 180-131934-15 MSD
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Prep Type: Total/NA
Prep Batch: 556321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.055	J B	2.19	2.19		ug/Kg	☼	97	76 - 136	6	30
Perfluoropentanoic acid (PFPeA)	ND		2.19	2.05		ug/Kg	☼	93	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	ND		2.19	2.20		ug/Kg	☼	100	71 - 131	14	30
Perfluoroheptanoic acid (PFHpA)	ND		2.19	2.12		ug/Kg	☼	97	71 - 131	8	30
Perfluorooctanoic acid (PFOA)	ND		2.19	2.22		ug/Kg	☼	101	72 - 132	7	30
Perfluorononanoic acid (PFNA)	ND		2.19	2.24		ug/Kg	☼	102	73 - 133	10	30
Perfluorodecanoic acid (PFDA)	ND		2.19	2.18		ug/Kg	☼	99	72 - 132	7	30
Perfluoroundecanoic acid (PFUnA)	ND		2.19	2.11		ug/Kg	☼	96	66 - 126	2	30
Perfluorododecanoic acid (PFDoA)	ND		2.19	2.10		ug/Kg	☼	96	71 - 131	1	30
Perfluorotridecanoic acid (PFTriA)	ND		2.19	2.29		ug/Kg	☼	105	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.19	2.01		ug/Kg	☼	92	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.94	1.61		ug/Kg	☼	83	69 - 129	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.00	1.89		ug/Kg	☼	95	62 - 122	0	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.09	2.01		ug/Kg	☼	96	76 - 136	4	30
Perfluorooctanesulfonic acid (PFOS)	0.060	J I	2.04	1.96		ug/Kg	☼	93	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.11	2.16		ug/Kg	☼	102	71 - 131	11	30
Perfluorooctanesulfonamide (FOSA)	ND		2.19	2.13		ug/Kg	☼	97	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.19	2.07		ug/Kg	☼	94	72 - 132	8	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.19	2.18		ug/Kg	☼	99	72 - 132	2	30
6:2 FTS	ND		2.08	2.26		ug/Kg	☼	109	73 - 139	6	30
8:2 FTS	ND		2.10	2.03		ug/Kg	☼	97	75 - 135	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	41		25 - 150
13C5 PFPeA	81		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-131934-15 MSD
Matrix: Solid
Analysis Batch: 556373

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Prep Type: Total/NA
Prep Batch: 556321

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	88		25 - 150
13C4 PFHpA	89		25 - 150
13C4 PFOA	88		25 - 150
13C5 PFNA	90		25 - 150
13C2 PFDA	95		25 - 150
13C2 PFUnA	100		25 - 150
13C2 PFDoA	96		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	79		25 - 150
18O2 PFHxS	73		25 - 150
13C4 PFOS	76		25 - 150
13C8 FOSA	83		25 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	104		25 - 150
M2-6:2 FTS	106		25 - 150
M2-8:2 FTS	111		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-2

LCMS

Prep Batch: 556321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	SHAKE	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	SHAKE	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	SHAKE	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	SHAKE	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	SHAKE	
MB 320-556321/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-556321/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-131934-15 MS	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	SHAKE	
180-131934-15 MSD	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	SHAKE	

Analysis Batch: 556373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	537 (modified)	556321
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	537 (modified)	556321
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	537 (modified)	556321
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	537 (modified)	556321
MB 320-556321/1-A	Method Blank	Total/NA	Solid	537 (modified)	556321
LCS 320-556321/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	556321
180-131934-15 MS	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	537 (modified)	556321
180-131934-15 MSD	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	537 (modified)	556321

Analysis Batch: 556561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	537 (modified)	556321

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day TAT as per Miranda Stelmach D. Dunlap 1/5/22 **1 day**			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A28A	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28B	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28C	1/4/22	1130	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A29A	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29B	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29C	1/4/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A30A	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30B	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30C	1/4/22	1215	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A31A	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31B	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31C	1/4/22	1400	C	S	N	N		X	X	X	X	X	X	X					5	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/4/2022 1530			1/5/22 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-DUP9A	1/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP9B	1/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP9C	1/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Marilette Dempsey	1/4/2022 1530	Company: Geosyntec		1/5/22 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-131934 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A28A	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28B	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28C	1/4/22	1130	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A29A	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29B	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29C	1/4/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A30A	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30B	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30C	1/4/22	1215	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A31A	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31B	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31C	1/4/22	1400	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/4/2022 1530			1/5/22 1100	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: Seal	Cooler Temperature(s) °C and Other Remarks: 0.9c

Ver: 01/16/2019

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1/11/2022

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 862.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SHS-IRM5A2-A2-DUP9A	1/4/22		G	S	N	N	X													4	
SHS-IRM5A2-A2-DUP9B	1/4/22		G	S	N	N	X													4	
SHS-IRM5A2-A2-DUP9C	1/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

Page 24 of 27

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client Disposal By Lab Archive For ☐ _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/4/2022 1530	Geosyntec		1/5/22 1100	GEI
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

1/11/2022

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 0.9c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-131934 Field Sheet

Job: _____

Tracking # : 775648449191

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L04 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: —

Temp Observed: 2.9 °C Corrected: 2.9 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: LB Date: 1/5/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LB Date: 1/5/22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: LB Date: 1/5/22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-131934-2

Login Number: 131934
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-131934-2

Login Number: 131934
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 01/05/22 01:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132006-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/11/2022 8:57:38 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Job ID: 180-132006-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132006-2

Receipt
The samples were received on 1/6/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.7º C, 1.8º C and 2.8º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-8:2 FTS in the following sample: SSHS-IRM5A2-A2-A32C (180-132006-3) and its matrix spikes. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A32C (180-132006-3), SSHS-IRM5A2-A2-A33C (180-132006-6), and SSHS-IRM5A2-A2-A34C (180-132006-9). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132006-3	SSHS-IRM5A2-A2-A32C	Solid	01/05/22 12:00	01/06/22 10:00
180-132006-6	SSHS-IRM5A2-A2-A33C	Solid	01/05/22 14:30	01/06/22 10:00
180-132006-9	SSHS-IRM5A2-A2-A34C	Solid	01/05/22 14:50	01/06/22 10:00
180-132006-12	SSHS-IRM5A2-A2-A35C	Solid	01/05/22 15:10	01/06/22 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Client Sample ID: SSHS-IRM5A2-A2-A32C

Lab Sample ID: 180-132006-3
Date Collected: 01/05/22 12:00
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	556587	01/07/22 04:04	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			556724	01/07/22 20:45	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A33C

Lab Sample ID: 180-132006-6
Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	556587	01/07/22 04:04	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			556724	01/07/22 21:15	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A34C

Lab Sample ID: 180-132006-9
Date Collected: 01/05/22 14:50
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.0 mL	556587	01/07/22 04:04	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			556724	01/07/22 21:25	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A35C

Lab Sample ID: 180-132006-12
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.42 g	10.0 mL	556587	01/07/22 04:04	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			556724	01/07/22 21:35	S1M	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

HK = Harmandeep Kaur

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Client Sample ID: SSHS-IRM5A2-A2-A32C
Date Collected: 01/05/22 12:00
Date Received: 01/06/22 10:00

Lab Sample ID: 180-132006-3
Matrix: Solid
Percent Solids: 84.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.054	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.062	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.17**	**J I**	0.23	0.050	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.061	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	01/07/22 04:04	01/07/22 20:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C5 PFPeA	*91*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C2 PFHxA	*88*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C4 PFHpA	*93*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C4 PFOA	*92*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C5 PFNA	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C2 PFDA	*93*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C2 PFUnA	*95*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C3 PFBS	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
18O2 PFHxS	*69*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C4 PFOS	*76*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
13C8 FOSA	*72*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
M2-6:2 FTS	*146*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*
M2-8:2 FTS	*173*	**5+*	*25 - 150*	*01/07/22 04:04*	*01/07/22 20:45*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132006-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A33C
Lab Sample ID: 180-132006-6
Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 88.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.075**	**J I**	0.22	0.047	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	01/07/22 04:04	01/07/22 21:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C5 PFPeA	*86*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C2 PFHxA	*88*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C4 PFHpA	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C4 PFOA	*92*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C5 PFNA	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C2 PFDA	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C2 PFDoA	*81*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C3 PFBS	*77*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
18O2 PFHxS	*69*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C4 PFOS	*67*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
13C8 FOSA	*72*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
d5-NEtFOSAA	*95*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*
M2-8:2 FTS	*138*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:15*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Client Sample ID: SSHS-IRM5A2-A2-A34C
Date Collected: 01/05/22 14:50
Date Received: 01/06/22 10:00

Lab Sample ID: 180-132006-9
Matrix: Solid
Percent Solids: 88.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.060**	**J I**	0.22	0.048	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	01/07/22 04:04	01/07/22 21:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C5 PFPeA	*86*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C2 PFHxA	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C4 PFHpA	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C4 PFOA	*92*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C5 PFNA	*84*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C2 PFDA	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C2 PFUnA	*93*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C2 PFDoA	*86*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C3 PFBS	*72*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
18O2 PFHxS	*64*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C4 PFOS	*70*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
13C8 FOSA	*77*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:25*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

Client Sample ID: SSHS-IRM5A2-A2-A35C
Date Collected: 01/05/22 15:10
Date Received: 01/06/22 10:00

Lab Sample ID: 180-132006-12
Matrix: Solid
Percent Solids: 88.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/07/22 04:04	01/07/22 21:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C5 PFPeA	*85*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C2 PFHxA	*82*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C4 PFHpA	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C4 PFOA	*85*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C5 PFNA	*84*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C2 PFDA	*82*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C2 PFUnA	*76*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C2 PFDoA	*73*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C3 PFBS	*72*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
18O2 PFHxS	*66*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C4 PFOS	*63*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
13C8 FOSA	*68*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
d5-NEtFOSAA	*72*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 21:35*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-556587/1-A
Matrix: Solid
Analysis Batch: 556724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/07/22 04:04	01/07/22 20:25	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/07/22 04:04	01/07/22 20:25	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C5 PFPeA	*89*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C2 PFHxA	*93*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C4 PFHpA	*85*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C4 PFOA	*94*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C5 PFNA	*89*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C2 PFDA	*93*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C2 PFDoA	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C3 PFBS	*90*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
18O2 PFHxS	*80*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C4 PFOS	*82*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
13C8 FOSA	*75*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
M2-6:2 FTS	*132*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*01/07/22 04:04*	*01/07/22 20:25*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-556587/2-A
Matrix: Solid
Analysis Batch: 556724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.09		ug/Kg		104	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.87		ug/Kg		93	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.03		ug/Kg		101	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.98		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.09		ug/Kg		105	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.07		ug/Kg		104	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.95		ug/Kg		98	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.08		ug/Kg		104	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.01		ug/Kg		101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.60		ug/Kg		90	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.76		ug/Kg		97	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.96		ug/Kg		103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.81		ug/Kg		98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.85		ug/Kg		96	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.05		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.12		ug/Kg		106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.98		ug/Kg		99	72 - 132
6:2 FTS	1.90	1.98		ug/Kg		104	73 - 139
8:2 FTS	1.92	1.91		ug/Kg		99	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*80*		*25 - 150*
13C5 PFPeA	*90*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*85*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*92*		*25 - 150*
13C2 PFDoA	*86*		*25 - 150*
13C2 PFTeDA	*85*		*25 - 150*
13C3 PFBS	*89*		*25 - 150*
18O2 PFHxS	*81*		*25 - 150*
13C4 PFOS	*81*		*25 - 150*
13C8 FOSA	*76*		*25 - 150*
d3-NMeFOSAA	*94*		*25 - 150*
d5-NEtFOSAA	*96*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-556587/2-A
Matrix: Solid
Analysis Batch: 556724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556587

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*127*		*25 - 150*
M2-8:2 FTS	*119*		*25 - 150*

Lab Sample ID: 180-132006-3 MS
Matrix: Solid
Analysis Batch: 556724

Client Sample ID: SSHS-IRM5A2-A2-A32C
Prep Type: Total/NA
Prep Batch: 556587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		2.36	2.47		ug/Kg	☼	105	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.36	2.49		ug/Kg	☼	106	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.36	2.42		ug/Kg	☼	103	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.36	2.19		ug/Kg	☼	93	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.36	2.25		ug/Kg	☼	95	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.36	2.31		ug/Kg	☼	98	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.36	2.30		ug/Kg	☼	98	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.36	2.42		ug/Kg	☼	103	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.36	2.34		ug/Kg	☼	99	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.36	2.28		ug/Kg	☼	97	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.36	2.31		ug/Kg	☼	98	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		2.08	1.89		ug/Kg	☼	91	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.14	2.25		ug/Kg	☼	105	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.24	2.38		ug/Kg	☼	106	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.17	J I	2.19	2.54		ug/Kg	☼	108	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.27	2.34		ug/Kg	☼	103	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.36	2.44		ug/Kg	☼	104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.36	2.88		ug/Kg	☼	122	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.36	2.41		ug/Kg	☼	102	72 - 132
6:2 FTS	ND		2.23	2.55		ug/Kg	☼	114	73 - 139
8:2 FTS	ND		2.26	2.30		ug/Kg	☼	102	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*79*		*25 - 150*
13C5 PFPeA	*81*		*25 - 150*
13C2 PFHxA	*81*		*25 - 150*
13C4 PFHpA	*90*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*92*		*25 - 150*
13C2 PFDA	*98*		*25 - 150*
13C2 PFUnA	*92*		*25 - 150*
13C2 PFDoA	*85*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132006-3 MS **Client Sample ID: SSHS-IRM5A2-A2-A32C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 556724 **Prep Batch: 556587**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	81		25 - 150
13C3 PFBS	81		25 - 150
18O2 PFHxS	69		25 - 150
13C4 PFOS	70		25 - 150
13C8 FOSA	75		25 - 150
d3-NMeFOSAA	80		25 - 150
d5-NEtFOSAA	94		25 - 150
M2-6:2 FTS	150		25 - 150
M2-8:2 FTS	173	*5+	25 - 150

Lab Sample ID: 180-132006-3 MSD **Client Sample ID: SSHS-IRM5A2-A2-A32C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 556724 **Prep Batch: 556587**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.35	2.48		ug/Kg	☼	106	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	ND		2.35	2.41		ug/Kg	☼	103	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	ND		2.35	2.36		ug/Kg	☼	101	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)	ND		2.35	2.41		ug/Kg	☼	103	71 - 131	10	30
Perfluorooctanoic acid (PFOA)	ND		2.35	2.23		ug/Kg	☼	95	72 - 132	1	30
Perfluorononanoic acid (PFNA)	ND		2.35	2.31		ug/Kg	☼	98	73 - 133	0	30
Perfluorodecanoic acid (PFDA)	ND		2.35	2.51		ug/Kg	☼	107	72 - 132	9	30
Perfluoroundecanoic acid (PFUnA)	ND		2.35	2.36		ug/Kg	☼	101	66 - 126	2	30
Perfluorododecanoic acid (PFDoA)	ND		2.35	2.34		ug/Kg	☼	100	71 - 131	0	30
Perfluorotridecanoic acid (PFTriA)	ND		2.35	2.37		ug/Kg	☼	101	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.35	2.35		ug/Kg	☼	100	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.07	1.86		ug/Kg	☼	90	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.14	2.26		ug/Kg	☼	106	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.23	2.48		ug/Kg	☼	111	76 - 136	4	30
Perfluorooctanesulfonic acid (PFOS)	0.17	J I	2.18	2.53		ug/Kg	☼	108	68 - 141	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.26	2.40		ug/Kg	☼	106	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.35	2.56		ug/Kg	☼	109	77 - 137	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.35	2.54		ug/Kg	☼	108	72 - 132	12	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.35	2.38		ug/Kg	☼	101	72 - 132	1	30
6:2 FTS	ND		2.22	2.47		ug/Kg	☼	111	73 - 139	4	30
8:2 FTS	ND		2.25	2.28		ug/Kg	☼	101	75 - 135	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	78		25 - 150
13C5 PFPeA	84		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132006-3 MSD **Client Sample ID: SSHS-IRM5A2-A2-A32C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 556724 **Prep Batch: 556587**

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	86		25 - 150
13C4 PFHpA	88		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	91		25 - 150
13C2 PFDoA	85		25 - 150
13C2 PFTeDA	83		25 - 150
13C3 PFBS	81		25 - 150
18O2 PFHxS	68		25 - 150
13C4 PFOS	70		25 - 150
13C8 FOSA	70		25 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	97		25 - 150
M2-6:2 FTS	150		25 - 150
M2-8:2 FTS	177	*5+	25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-2

LCMS

Prep Batch: 556587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	SHAKE	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	SHAKE	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	SHAKE	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	SHAKE	
MB 320-556587/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-556587/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-132006-3 MS	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	SHAKE	
180-132006-3 MSD	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	SHAKE	

Analysis Batch: 556724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	537 (modified)	556587
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	537 (modified)	556587
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	537 (modified)	556587
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	537 (modified)	556587
MB 320-556587/1-A	Method Blank	Total/NA	Solid	537 (modified)	556587
LCS 320-556587/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	556587
180-132006-3 MS	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	537 (modified)	556587
180-132006-3 MSD	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	537 (modified)	556587

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): 5 day	
State, Zip: MD, 21044		
Phone: 410-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site-	Project #: 18013464	
Site:	SSOW#:	

180-132006 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A32A	1/5/22	1200	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A32B	1/5/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A32C	1/5/22	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A33A	1/5/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A33B	1/5/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A33C	1/5/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A34A	1/5/22	1450	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A34B	1/5/22	1450	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A34C	1/5/22	1450	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A35A	1/5/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A35B	1/5/22	1510	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/5/2022 1630			1/6/22 1000	ETA PitT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A35C	1/5/22	1510	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/5/2022 1630			1/6/22 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-132006 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A32A	1/5/22	1200	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A32B	1/5/22	1200	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A32C	1/5/22	1200	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A33A	1/5/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A33B	1/5/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A33C	1/5/22	1430	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A34A	1/5/22	1450	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A34B	1/5/22	1450	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A34C	1/5/22	1450	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A35A	1/5/22	1510	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A35B	1/5/22	1510	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey Mary Kate Dempsey	1/5/2022 1630			1/6/22 1200	GEOSYNTEC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1771131 | Cooler Temperature(s) °C and Other Remarks: 1.7c

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A35C	1/5/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Mary Kate Dempsey	Date/Time: 1/5/2022 1630	Company	Received by:	Date/Time: 1/6/22 1200	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1771131	Cooler Temperature(s) °C and Other Remarks: 1.7c

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Job: 180-132006 Field Sheet

Tracking # : 775641855747

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 604 Corr. Factor: (+ / -) - °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 177131

Cooler ID: _____

Temp Observed: 1.7 °C Corrected: 1.7 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 1/6/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified? NC 1-6-22	☑	☐	☑
Samples w/o discrepancies? NC	☑	☐	☑ NC 1-6-22
Zero headspace?* 1-6-22	☑	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 1-6-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 1-6-22

WR3-2A


ORIGIN ID:ELMA (240) 678-2050
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
SHIP DATE: 05JAN22
ACTWGT: 50.00 LB
CAD: 252144856/INET4400
DIMS: 30x18x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
REF: MN08321
INV 01
PO 28
DEPT 1751
56DJ201EF/FE4A
FedEx Express
FedEx Ship Manager - Print Your Label(s)
THU - 06 JAN 10:30A
PRIORITY OVERNIGHT
TRK# 0201 7756 4855 9747
95605
CA-US SMF
XW BLUA
1/3/22, 2:00 PM
RT 362 1 10:30 F 9747 01.06
FZ
Custody Seal
DATE
SIGNATURE
eurofins
Environment Testing
TestAmerica
1771131

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132006-2

Login Number: 132006
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132006-2

Login Number: 132006
List Number: 2
Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento
List Creation: 01/06/22 07:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1771131
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-131934-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/12/2022 2:39:56 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-131934-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-131934-1

Comments
Notation was made to the coc regarding the TAT.

Receipt
The samples were received on 1/5/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.9º C, 3.2º C and 3.3º C.

GC/MS VOA
Method 8260C: The recovery of surrogate Toluene-d8 for the following sample was above the control limits: SSHS-IRM5A2-A2-A29B (180-131934-5). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-384498 recovered above the control limits for the following analyte: N-Propylbenzene. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-384632 was above the control limits for the following analytes: 2-Butanone and Acetone. The recoveries were within the control limits.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-384770 was above the control limits for the following analytes: 2-Butanone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-384498 was below criteria for the following analytes: 1,2-Dichloroethane, 1,2-Dichloroethane-d4 (surrogate), 1,4-Dioxane, Acetone, and Methyl tert-butyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-384632 was below criteria for the following analytes: 1,2-Dichloroethane, 1,2-Dichloroethane-d4 (surrogate), 1,4-Dioxane, and Methyl tert-butyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-384770 was above criteria for the following analytes: 1,1-Dichloroethene and 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A30C (180-131934-9) and SSHS-IRM5A2-A2-A31C (180-131934-12). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A28C (180-131934-3) had the recoveries of Pyridine below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-384810 was above criteria for the following analyte: Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-131934-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-131934-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-131934-1	SSHS-IRM5A2-A2-A28A	Solid	01/04/22 11:30	01/05/22 10:30
180-131934-2	SSHS-IRM5A2-A2-A28B	Solid	01/04/22 11:30	01/05/22 10:30
180-131934-3	SSHS-IRM5A2-A2-A28C	Solid	01/04/22 11:30	01/05/22 10:30
180-131934-4	SSHS-IRM5A2-A2-A29A	Solid	01/04/22 12:00	01/05/22 10:30
180-131934-5	SSHS-IRM5A2-A2-A29B	Solid	01/04/22 12:00	01/05/22 10:30
180-131934-6	SSHS-IRM5A2-A2-A29C	Solid	01/04/22 12:00	01/05/22 10:30
180-131934-7	SSHS-IRM5A2-A2-A30A	Solid	01/04/22 12:15	01/05/22 10:30
180-131934-8	SSHS-IRM5A2-A2-A30B	Solid	01/04/22 12:15	01/05/22 10:30
180-131934-9	SSHS-IRM5A2-A2-A30C	Solid	01/04/22 12:15	01/05/22 10:30
180-131934-10	SSHS-IRM5A2-A2-A31A	Solid	01/04/22 14:00	01/05/22 10:30
180-131934-11	SSHS-IRM5A2-A2-A31B	Solid	01/04/22 14:00	01/05/22 10:30
180-131934-12	SSHS-IRM5A2-A2-A31C	Solid	01/04/22 14:00	01/05/22 10:30
180-131934-13	SSHS-IRM5A2-A2-DUP9A	Solid	01/04/22 00:00	01/05/22 10:30
180-131934-14	SSHS-IRM5A2-A2-DUP9B	Solid	01/04/22 00:00	01/05/22 10:30
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Solid	01/04/22 00:00	01/05/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-A28A
Lab Sample ID: 180-131934-1
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A28A
Lab Sample ID: 180-131934-1
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.054 g	5 mL	384369	01/06/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384365	01/06/22 15:12	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A28B
Lab Sample ID: 180-131934-2
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A28B
Lab Sample ID: 180-131934-2
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7726 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 16:03	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A28C
Lab Sample ID: 180-131934-3
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384336	01/05/22 14:32	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A28C
Lab Sample ID: 180-131934-3
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	384389	01/06/22 08:16	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384810	01/11/22 13:28	VVP	TAL PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-A28C

Lab Sample ID: 180-131934-3
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 14:52	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.85 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:10	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	384448	01/06/22 12:19	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384487	01/06/22 15:49	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:45	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:35	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A29A

Lab Sample ID: 180-131934-4
Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A29A

Lab Sample ID: 180-131934-4
Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9307 g	5 mL	384369	01/06/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384365	01/06/22 15:59	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A29B

Lab Sample ID: 180-131934-5
Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-A29B
Date Collected: 01/04/22 12:00
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-5
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0085 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 16:49	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A29C
Date Collected: 01/04/22 12:00
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384336	01/05/22 14:32	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A29C
Date Collected: 01/04/22 12:00
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-6
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	384389	01/06/22 08:16	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384810	01/11/22 14:34	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 15:11	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.84 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:14	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.86 g	100 mL	384448	01/06/22 12:19	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384487	01/06/22 15:50	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:46	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:37	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A30A
Date Collected: 01/04/22 12:15
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-A30A
Lab Sample ID: 180-131934-7
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5496 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 14:30	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A30B
Lab Sample ID: 180-131934-8
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A30B
Lab Sample ID: 180-131934-8
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0931 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 14:53	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A30C
Lab Sample ID: 180-131934-9
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384336	01/05/22 14:32	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A30C
Lab Sample ID: 180-131934-9
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	384389	01/06/22 08:16	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	384810	01/11/22 14:55	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 15:30	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.87 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:19	RJR	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-A30C
Lab Sample ID: 180-131934-9
Date Collected: 01/04/22 12:15
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.69 g	100 mL	384448	01/06/22 12:19	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384487	01/06/22 15:51	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:49	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:39	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A31A
Lab Sample ID: 180-131934-10
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A31A
Lab Sample ID: 180-131934-10
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4485 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 15:17	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A31B
Lab Sample ID: 180-131934-11
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A31B
Lab Sample ID: 180-131934-11
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3188 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 15:40	PJJ	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-131934-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A31C
Lab Sample ID: 180-131934-12
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384336	01/05/22 14:32	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A31C
Lab Sample ID: 180-131934-12
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	384389	01/06/22 08:16	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	384810	01/11/22 15:17	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 15:49	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.83 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:24	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.60 g	100 mL	384448	01/06/22 12:19	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384487	01/06/22 15:52	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:50	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:40	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-DUP9A
Lab Sample ID: 180-131934-13
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP9A
Lab Sample ID: 180-131934-13
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8788 g	5 mL	384680	01/10/22 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384632	01/10/22 18:53	PJJ	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-131934-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-DUP9B
Lab Sample ID: 180-131934-14
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384332	01/05/22 13:45	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP9B
Lab Sample ID: 180-131934-14
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0787 g	5 mL	384782	01/11/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384770	01/11/22 09:45	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Lab Sample ID: 180-131934-15
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384336	01/05/22 14:32	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Lab Sample ID: 180-131934-15
Date Collected: 01/04/22 00:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	384389	01/06/22 08:16	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384810	01/11/22 15:39	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 16:08	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.81 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:28	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.66 g	100 mL	384448	01/06/22 12:19	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384487	01/06/22 15:53	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:51	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:42	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

AMK = Alexah Kaib
CMR = Carl Reagle
CSC = Chayce Cockroft
KLG = Kathy Gordon
PJJ = Patrick Journet
PMH = Paloma Hoelzle
RGM = Rebecca Manns
RJR = Ron Rosenbaum

Batch Type: Analysis

CMR = Carl Reagle
JMO = John Oravec
KLG = Kathy Gordon
PJJ = Patrick Journet
PMH = Paloma Hoelzle
RJR = Ron Rosenbaum
SMW = Shelby Walters
VVP = Vincent Piccolino

Client: Geosyntec Consultants, Inc.
Job ID: 180-131934-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A28A
Lab Sample ID: 180-131934-1
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Methylene Chloride	ND		0.0057	0.0052	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	01/06/22 06:00	01/06/22 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*01/06/22 06:00*	*01/06/22 15:12*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/06/22 06:00*	*01/06/22 15:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*01/06/22 06:00*	*01/06/22 15:12*	*1*
Toluene-d8 (Surr)	*119*		*67 - 134*	*01/06/22 06:00*	*01/06/22 15:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.4**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**86.6**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A28B
Lab Sample ID: 180-131934-2
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 83.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1

Client Sample ID: SSHS-IRM5A2-A2-A28B

Lab Sample ID: 180-131934-2
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 83.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
N-Propylbenzene	ND	*+	0.0052	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	01/07/22 06:59	01/07/22 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*01/07/22 06:59*	*01/07/22 16:03*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*01/07/22 06:59*	*01/07/22 16:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*73 - 135*	*01/07/22 06:59*	*01/07/22 16:03*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*01/07/22 06:59*	*01/07/22 16:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.5**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**83.5**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A28C

Lab Sample ID: 180-131934-3
Date Collected: 01/04/22 11:30
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 87.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0035**	**J**	0.0075	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Acenaphthylene	**0.021**		0.0075	0.0016	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Anthracene	**0.015**		0.0075	0.0019	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Benzo[a]anthracene	**0.053**		0.0075	0.0034	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-A28C
Date Collected: 01/04/22 11:30
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-3
Matrix: Solid
Percent Solids: 87.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.043**		0.0075	0.0032	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Benzo[b]fluoranthene	**0.062**		0.0075	0.0018	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Benzo[g,h,i]perylene	**0.038**		0.0075	0.0016	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Benzo[k]fluoranthene	**0.023**		0.0075	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Chrysene	**0.066**		0.0075	0.0041	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Dibenz(a,h)anthracene	**0.0095**		0.0075	0.0048	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Fluoranthene	**0.067**		0.0075	0.0020	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Fluorene	**0.0047**	**J**	0.0075	0.0015	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Indeno[1,2,3-cd]pyrene	**0.031**		0.0075	0.0037	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Methylphenol, 3 & 4	**0.022**	**J**	0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Naphthalene	**0.015**		0.0075	0.0015	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Phenanthrene	**0.034**		0.0075	0.0020	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Phenol	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Pyrene	**0.081**		0.0075	0.0018	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
Pyridine	ND	F1	0.075	0.020	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	01/06/22 08:16	01/11/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*01/06/22 08:16*	*01/11/22 13:28*	*1*
2-Fluorophenol (Surr)	*73*		*32 - 105*	*01/06/22 08:16*	*01/11/22 13:28*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*01/06/22 08:16*	*01/11/22 13:28*	*1*
Phenol-d5 (Surr)	*78*		*34 - 105*	*01/06/22 08:16*	*01/11/22 13:28*	*1*
Terphenyl-d14 (Surr)	*97*		*20 - 117*	*01/06/22 08:16*	*01/11/22 13:28*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*20 - 119*	*01/06/22 08:16*	*01/11/22 13:28*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1248	**0.042**		0.019	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1254	**0.029**		0.019	0.0056	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*01/07/22 10:00*	*01/09/22 14:52*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*01/07/22 10:00*	*01/09/22 14:52*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A28C — Lab Sample ID: 180-131934-3

Date Collected: 01/04/22 11:30 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 87.4**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*01/07/22 10:00*	*01/09/22 14:52*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*01/07/22 10:00*	*01/09/22 14:52*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.7**		0.62	0.39	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Barium	**51**		12	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Beryllium	**0.32**		0.25	0.067	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Cadmium	**0.067**	**J**	0.31	0.045	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Chromium	**18**		0.31	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Copper	**26**		1.5	0.93	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Lead	**12**		0.62	0.54	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Manganese	**370**		0.93	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Nickel	**19**		2.5	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Selenium	ND		0.62	0.29	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Silver	ND		0.31	0.064	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1
Zinc	**52**		1.2	0.74	mg/Kg	☼	01/06/22 13:03	01/07/22 11:10	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.037	0.024	mg/Kg	☼	01/06/22 12:19	01/06/22 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.6**		0.1	0.1	%			01/05/22 14:32	1
Percent Solids	**87.4**		0.1	0.1	%			01/05/22 14:32	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	01/07/22 08:43	01/08/22 10:45	1
Cyanide, Total	**0.26**	**J**	0.31	0.24	mg/Kg	☼	01/07/22 12:30	01/07/22 15:35	1

Client Sample ID: SSHS-IRM5A2-A2-A29A — Lab Sample ID: 180-131934-4

Date Collected: 01/04/22 12:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 90.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1

Client Sample ID: SSHS-IRM5A2-A2-A29A

Lab Sample ID: 180-131934-4

Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 90.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	01/06/22 06:00	01/06/22 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*01/06/22 06:00*	*01/06/22 15:59*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/06/22 06:00*	*01/06/22 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*01/06/22 06:00*	*01/06/22 15:59*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/06/22 06:00*	*01/06/22 15:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**90.8**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A29B

Lab Sample ID: 180-131934-5

Date Collected: 01/04/22 12:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 89.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0036	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,2-Dichloroethane	ND		0.0047	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,4-Dioxane	ND		0.93	0.033	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Ethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Methylene Chloride	ND		0.0047	0.0042	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1

Client Sample ID: SSHS-IRM5A2-A2-A29B — Lab Sample ID: 180-131934-5

Date Collected: 01/04/22 12:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 89.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
N-Propylbenzene	ND	*+	0.0047	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Tetrachloroethene	ND		0.0047	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Toluene	ND		0.0047	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
trans-1,2-Dichloroethene	ND		0.0047	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Vinyl chloride	ND		0.0047	0.0034	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1
Xylenes, Total	ND		0.0093	0.0067	mg/Kg	☼	01/07/22 06:59	01/07/22 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*60 - 124*	*01/07/22 06:59*	*01/07/22 16:49*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*01/07/22 06:59*	*01/07/22 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*01/07/22 06:59*	*01/07/22 16:49*	*1*
Toluene-d8 (Surr)	*145*	*S1+*	*67 - 134*	*01/07/22 06:59*	*01/07/22 16:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**89.3**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A29C — Lab Sample ID: 180-131934-6

Date Collected: 01/04/22 12:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 88.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.012**		0.0075	0.0021	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Acenaphthylene	**0.14**		0.0075	0.0016	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Anthracene	**0.11**		0.0075	0.0019	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Benzo[a]anthracene	**0.37**		0.0075	0.0034	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Benzo[a]pyrene	**0.31**		0.0075	0.0032	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Benzo[b]fluoranthene	**0.38**		0.0075	0.0018	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Benzo[g,h,i]perylene	**0.24**		0.0075	0.0016	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Benzo[k]fluoranthene	**0.14**		0.0075	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Chrysene	**0.44**		0.0075	0.0041	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Dibenz(a,h)anthracene	**0.065**		0.0075	0.0048	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Dibenzofuran	**0.019**	**J**	0.037	0.014	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Fluoranthene	**0.71**		0.0075	0.0020	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Fluorene	**0.039**		0.0075	0.0015	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Hexachlorobenzene	ND		0.0075	0.0027	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Hexachlorobutadiene	ND		0.0075	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Indeno[1,2,3-cd]pyrene	**0.20**		0.0075	0.0037	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1

Client Sample ID: SSHS-IRM5A2-A2-A29C
Date Collected: 01/04/22 12:00
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-6
Matrix: Solid
Percent Solids: 88.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Methylphenol, 3 & 4	**0.031**	**J**	0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Naphthalene	**0.038**		0.0075	0.0015	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Phenanthrene	**0.48**		0.0075	0.0020	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Phenol	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Pyrene	**0.73**		0.0075	0.0018	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
Pyridine	ND		0.075	0.020	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	01/06/22 08:16	01/11/22 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*01/06/22 08:16*	*01/11/22 14:34*	*1*
2-Fluorophenol (Surr)	*69*		*32 - 105*	*01/06/22 08:16*	*01/11/22 14:34*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*01/06/22 08:16*	*01/11/22 14:34*	*1*
Phenol-d5 (Surr)	*73*		*34 - 105*	*01/06/22 08:16*	*01/11/22 14:34*	*1*
Terphenyl-d14 (Surr)	*97*		*20 - 117*	*01/06/22 08:16*	*01/11/22 14:34*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*20 - 119*	*01/06/22 08:16*	*01/11/22 14:34*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1248	**0.18**		0.019	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1254	**0.14**		0.019	0.0056	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*01/07/22 10:00*	*01/09/22 15:11*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*01/07/22 10:00*	*01/09/22 15:11*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*01/07/22 10:00*	*01/09/22 15:11*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*01/07/22 10:00*	*01/09/22 15:11*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.62	0.39	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Barium	**62**		12	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Beryllium	**0.33**		0.25	0.067	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Cadmium	**0.083**	**J**	0.31	0.045	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Chromium	**9.2**		0.31	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Copper	**43**		1.5	0.93	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Lead	**17**		0.62	0.54	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Manganese	**320**		0.92	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Nickel	**25**		2.5	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Selenium	**0.47**	**J**	0.62	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1

Client Sample ID: SSHS-IRM5A2-A2-A29C
Lab Sample ID: 180-131934-6
Date Collected: 01/04/22 12:00 **Matrix: Solid**
Date Received: 01/05/22 10:30 **Percent Solids: 88.2**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.31	0.064	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1
Zinc	**62**		1.2	0.73	mg/Kg	☼	01/06/22 13:03	01/07/22 11:14	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**		0.026	0.017	mg/Kg	☼	01/06/22 12:19	01/06/22 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			01/05/22 14:32	1
Percent Solids	**88.2**		0.1	0.1	%			01/05/22 14:32	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	01/07/22 08:43	01/08/22 10:46	1
Cyanide, Total	ND		0.26	0.20	mg/Kg	☼	01/07/22 12:30	01/07/22 15:37	1

Client Sample ID: SSHS-IRM5A2-A2-A30A
Lab Sample ID: 180-131934-7
Date Collected: 01/04/22 12:15 **Matrix: Solid**
Date Received: 01/05/22 10:30 **Percent Solids: 89.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
2-Butanone (MEK)	ND		0.0050	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
N-Propylbenzene	ND	*+	0.0050	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	01/07/22 06:59	01/07/22 14:30	1

Client Sample ID: SSHS-IRM5A2-A2-A30A — Lab Sample ID: 180-131934-7

Date Collected: 01/04/22 12:15 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 89.6**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*01/07/22 06:59*	*01/07/22 14:30*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*01/07/22 06:59*	*01/07/22 14:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*01/07/22 06:59*	*01/07/22 14:30*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*01/07/22 06:59*	*01/07/22 14:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.4**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**89.6**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A30B — Lab Sample ID: 180-131934-8

Date Collected: 01/04/22 12:15 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 88.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
N-Propylbenzene	ND	*+	0.0055	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	01/07/22 06:59	01/07/22 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*01/07/22 06:59*	*01/07/22 14:53*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*01/07/22 06:59*	*01/07/22 14:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*01/07/22 06:59*	*01/07/22 14:53*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A30B — Lab Sample ID: 180-131934-8

Date Collected: 01/04/22 12:15 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 88.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*126*		*67 - 134*	*01/07/22 06:59*	*01/07/22 14:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.2**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**88.8**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A30C — Lab Sample ID: 180-131934-9

Date Collected: 01/04/22 12:15 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 88.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.012**	**J**	0.015	0.0043	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Acenaphthylene	**0.082**		0.015	0.0032	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Anthracene	**0.058**		0.015	0.0038	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Benzo[a]anthracene	**0.18**		0.015	0.0067	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Benzo[a]pyrene	**0.18**		0.015	0.0064	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Benzo[b]fluoranthene	**0.22**		0.015	0.0036	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Benzo[g,h,i]perylene	**0.14**		0.015	0.0032	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Benzo[k]fluoranthene	**0.087**		0.015	0.0044	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Chrysene	**0.20**		0.015	0.0082	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Dibenz(a,h)anthracene	**0.041**		0.015	0.0095	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Dibenzofuran	ND		0.073	0.027	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
2,4-Dinitrotoluene	ND		0.073	0.044	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Fluoranthene	**0.26**		0.015	0.0039	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Fluorene	**0.015**		0.015	0.0029	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Hexachlorobenzene	ND		0.015	0.0053	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Hexachlorobutadiene	ND		0.015	0.0043	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Hexachloroethane	ND		0.073	0.026	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Indeno[1,2,3-cd]pyrene	**0.12**		0.015	0.0074	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
2-Methylphenol	ND		0.073	0.021	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Methylphenol, 3 & 4	**0.028**	**J**	0.073	0.022	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Naphthalene	**0.068**		0.015	0.0029	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Phenanthrene	**0.14**		0.015	0.0040	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Phenol	ND		0.073	0.022	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Pyrene	**0.29**		0.015	0.0035	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
Pyridine	ND		0.15	0.040	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
2,4,5-Trichlorophenol	ND		0.073	0.026	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2
2,4,6-Trichlorophenol	ND		0.073	0.025	mg/Kg	☼	01/06/22 08:16	01/11/22 14:55	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*67*		*35 - 105*	*01/06/22 08:16*	*01/11/22 14:55*	*2*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*01/06/22 08:16*	*01/11/22 14:55*	*2*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*	*01/06/22 08:16*	*01/11/22 14:55*	*2*
Phenol-d5 (Surr)	*62*		*34 - 105*	*01/06/22 08:16*	*01/11/22 14:55*	*2*
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*01/06/22 08:16*	*01/11/22 14:55*	*2*

Client Sample ID: SSHS-IRM5A2-A2-A30C
Lab Sample ID: 180-131934-9
Date Collected: 01/04/22 12:15 **Matrix: Solid**
Date Received: 01/05/22 10:30 **Percent Solids: 88.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*01/06/22 08:16*	*01/11/22 14:55*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1248	**1.4**		0.018	0.0044	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1254	**0.72**		0.018	0.0055	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*01/07/22 10:00*	*01/09/22 15:30*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*01/07/22 10:00*	*01/09/22 15:30*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*01/07/22 10:00*	*01/09/22 15:30*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*01/07/22 10:00*	*01/09/22 15:30*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.6**		0.61	0.38	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Barium	**67**		12	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Beryllium	**0.34**		0.24	0.066	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Cadmium	**0.098**	**J**	0.30	0.045	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Chromium	**11**		0.30	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Copper	**61**		1.5	0.92	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Lead	**27**		0.61	0.53	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Manganese	**360**		0.91	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Nickel	**32**		2.4	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Selenium	**0.43**	**J**	0.61	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Silver	ND		0.30	0.063	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1
Zinc	**64**		1.2	0.72	mg/Kg	☼	01/06/22 13:03	01/07/22 11:19	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.094**		0.033	0.021	mg/Kg	☼	01/06/22 12:19	01/06/22 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.0**		0.1	0.1	%			01/05/22 14:32	1
Percent Solids	**88.0**		0.1	0.1	%			01/05/22 14:32	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/07/22 08:43	01/08/22 10:49	1
Cyanide, Total	ND		0.30	0.23	mg/Kg	☼	01/07/22 12:30	01/07/22 15:39	1

Client Sample ID: SSHS-IRM5A2-A2-A31A

Lab Sample ID: 180-131934-10

Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 90.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0040	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,3-Dichlorobenzene	ND		0.0051	0.0031	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
N-Propylbenzene	ND	*+	0.0051	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
tert-Butylbenzene	ND		0.0051	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Tetrachloroethene	ND		0.0051	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	01/07/22 06:59	01/07/22 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*60 - 124*	*01/07/22 06:59*	*01/07/22 15:17*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*01/07/22 06:59*	*01/07/22 15:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*	*01/07/22 06:59*	*01/07/22 15:17*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*01/07/22 06:59*	*01/07/22 15:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**90.3**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A31B

Lab Sample ID: 180-131934-11

Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1

Client Sample ID: SSHS-IRM5A2-A2-A31B
Lab Sample ID: 180-131934-11
Date Collected: 01/04/22 14:00 **Matrix: Solid**
Date Received: 01/05/22 10:30 **Percent Solids: 86.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
N-Propylbenzene	ND	*+	0.0054	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/07/22 06:59	01/07/22 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*01/07/22 06:59*	*01/07/22 15:40*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*01/07/22 06:59*	*01/07/22 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*01/07/22 06:59*	*01/07/22 15:40*	*1*
Toluene-d8 (Surr)	*124*		*67 - 134*	*01/07/22 06:59*	*01/07/22 15:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.3**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**86.7**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-A31C
Lab Sample ID: 180-131934-12
Date Collected: 01/04/22 14:00 **Matrix: Solid**
Date Received: 01/05/22 10:30 **Percent Solids: 86.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.017**		0.015	0.0044	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Acenaphthylene	**0.037**		0.015	0.0034	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Anthracene	**0.053**		0.015	0.0040	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Benzo[a]anthracene	**0.16**		0.015	0.0069	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2

Client: Geosyntec Consultants, Inc.
Job ID: 180-131934-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A31C
Lab Sample ID: 180-131934-12
Date Collected: 01/04/22 14:00
Matrix: Solid
Date Received: 01/05/22 10:30
Percent Solids: 86.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.14**		0.015	0.0067	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Benzo[b]fluoranthene	**0.16**		0.015	0.0038	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Benzo[g,h,i]perylene	**0.099**		0.015	0.0033	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Benzo[k]fluoranthene	**0.072**		0.015	0.0046	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Chrysene	**0.17**		0.015	0.0085	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Dibenz(a,h)anthracene	**0.030**		0.015	0.0098	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Dibenzofuran	ND		0.076	0.028	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
2,4-Dinitrotoluene	ND		0.076	0.046	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
1,4-Dioxane	ND		0.15	0.024	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Fluoranthene	**0.25**		0.015	0.0041	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Fluorene	**0.018**		0.015	0.0030	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Hexachlorobenzene	ND		0.015	0.0055	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Hexachlorobutadiene	ND		0.015	0.0045	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Hexachloroethane	ND		0.076	0.027	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Indeno[1,2,3-cd]pyrene	**0.090**		0.015	0.0076	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
2-Methylphenol	ND		0.076	0.022	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Methylphenol, 3 & 4	ND		0.076	0.023	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Naphthalene	**0.021**		0.015	0.0030	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Nitrobenzene	ND		0.15	0.028	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Pentachlorophenol	ND		0.39	0.12	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Phenanthrene	**0.16**		0.015	0.0041	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Phenol	ND		0.076	0.023	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Pyrene	**0.26**		0.015	0.0036	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
Pyridine	ND		0.15	0.041	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
2,4,5-Trichlorophenol	ND		0.076	0.027	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2
2,4,6-Trichlorophenol	ND		0.076	0.026	mg/Kg	☼	01/06/22 08:16	01/11/22 15:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*01/06/22 08:16*	*01/11/22 15:17*	*2*
2-Fluorophenol (Surr)	*60*		*32 - 105*	*01/06/22 08:16*	*01/11/22 15:17*	*2*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*01/06/22 08:16*	*01/11/22 15:17*	*2*
Phenol-d5 (Surr)	*70*		*34 - 105*	*01/06/22 08:16*	*01/11/22 15:17*	*2*
Terphenyl-d14 (Surr)	*83*		*20 - 117*	*01/06/22 08:16*	*01/11/22 15:17*	*2*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*01/06/22 08:16*	*01/11/22 15:17*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1248	**0.53**		0.019	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1254	**0.27**		0.019	0.0056	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*01/07/22 10:00*	*01/09/22 15:49*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*01/07/22 10:00*	*01/09/22 15:49*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A31C — Lab Sample ID: 180-131934-12

Date Collected: 01/04/22 14:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 86.9**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*01/07/22 10:00*	*01/09/22 15:49*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*01/07/22 10:00*	*01/09/22 15:49*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.9**		0.63	0.39	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Barium	**69**		13	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Beryllium	**0.35**		0.25	0.069	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Cadmium	**0.080**	**J**	0.31	0.046	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Chromium	**11**		0.31	0.29	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Copper	**48**		1.6	0.95	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Lead	**18**		0.63	0.55	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Manganese	**370**		0.94	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Nickel	**19**		2.5	0.32	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Selenium	ND		0.63	0.29	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Silver	ND		0.31	0.065	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1
Zinc	**66**		1.3	0.75	mg/Kg	☼	01/06/22 13:03	01/07/22 11:24	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.038	0.024	mg/Kg	☼	01/06/22 12:19	01/06/22 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.1**		0.1	0.1	%			01/05/22 14:32	1
Percent Solids	**86.9**		0.1	0.1	%			01/05/22 14:32	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	01/07/22 08:43	01/08/22 10:50	1
Cyanide, Total	**0.30**	**J**	0.31	0.24	mg/Kg	☼	01/07/22 12:30	01/07/22 15:40	1

Client Sample ID: SSHS-IRM5A2-A2-DUP9A — Lab Sample ID: 180-131934-13

Date Collected: 01/04/22 00:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 86.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.024	0.0046	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Benzene	ND		0.0059	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
2-Butanone (MEK)	ND	*1	0.0059	0.0030	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Carbon tetrachloride	ND		0.0059	0.0024	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Chlorobenzene	ND		0.0059	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Chloroform	ND		0.0059	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
cis-1,2-Dichloroethene	ND		0.0059	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,2-Dichlorobenzene	ND		0.0059	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,3-Dichlorobenzene	ND		0.0059	0.0037	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,4-Dichlorobenzene	ND		0.0059	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,1-Dichloroethane	ND		0.0059	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,2-Dichloroethane	ND		0.0059	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,1-Dichloroethene	ND		0.0059	0.0027	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Ethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1

Client Sample ID: SSHS-IRM5A2-A2-DUP9A — Lab Sample ID: 180-131934-13

Date Collected: 01/04/22 00:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 86.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0059	0.0054	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Methyl tert-butyl ether	ND		0.0059	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
n-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
N-Propylbenzene	ND		0.0059	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
sec-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
tert-Butylbenzene	ND		0.0059	0.0025	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Tetrachloroethene	ND		0.0059	0.0024	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Toluene	ND		0.0059	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
trans-1,2-Dichloroethene	ND		0.0059	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,1,1-Trichloroethane	ND		0.0059	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Trichloroethene	ND		0.0059	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
1,3,5-Trimethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Vinyl chloride	ND		0.0059	0.0043	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1
Xylenes, Total	ND		0.012	0.0086	mg/Kg	☼	01/10/22 07:16	01/10/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*01/10/22 07:16*	*01/10/22 18:53*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/10/22 07:16*	*01/10/22 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*01/10/22 07:16*	*01/10/22 18:53*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/10/22 07:16*	*01/10/22 18:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.6**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**86.4**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-DUP9B — Lab Sample ID: 180-131934-14

Date Collected: 01/04/22 00:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 87.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
2-Butanone (MEK)	ND	*1	0.0056	0.0029	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1

Client Sample ID: SSHS-IRM5A2-A2-DUP9B — Lab Sample ID: 180-131934-14

Date Collected: 01/04/22 00:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 87.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	01/11/22 06:30	01/11/22 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/11/22 06:30*	*01/11/22 09:45*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*01/11/22 06:30*	*01/11/22 09:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*01/11/22 06:30*	*01/11/22 09:45*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*01/11/22 06:30*	*01/11/22 09:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.4**		0.1	0.1	%			01/05/22 13:45	1
Percent Solids	**87.6**		0.1	0.1	%			01/05/22 13:45	1

Client Sample ID: SSHS-IRM5A2-A2-DUP9C — Lab Sample ID: 180-131934-15

Date Collected: 01/04/22 00:00 — **Matrix: Solid**
Date Received: 01/05/22 10:30 — **Percent Solids: 88.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.018**		0.0074	0.0021	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Acenaphthylene	**0.033**		0.0074	0.0016	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Anthracene	**0.055**		0.0074	0.0019	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Benzo[a]anthracene	**0.16**		0.0074	0.0033	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Benzo[a]pyrene	**0.14**		0.0074	0.0032	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Benzo[b]fluoranthene	**0.18**		0.0074	0.0018	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Benzo[g,h,i]perylene	**0.10**		0.0074	0.0016	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Benzo[k]fluoranthene	**0.061**		0.0074	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Chrysene	**0.16**		0.0074	0.0041	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Dibenz(a,h)anthracene	**0.031**		0.0074	0.0047	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Dibenzofuran	**0.014**	**J**	0.037	0.014	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Fluoranthene	**0.26**		0.0074	0.0020	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Fluorene	**0.017**		0.0074	0.0015	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Hexachlorobenzene	ND		0.0074	0.0027	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Indeno[1,2,3-cd]pyrene	**0.089**		0.0074	0.0037	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Lab Sample ID: 180-131934-15

Date Collected: 01/04/22 00:00 **Matrix: Solid**
Date Received: 01/05/22 10:30 **Percent Solids: 88.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Naphthalene	**0.028**		0.0074	0.0014	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Phenanthrene	**0.16**		0.0074	0.0020	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Phenol	ND		0.037	0.011	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Pyrene	**0.25**		0.0074	0.0018	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	01/06/22 08:16	01/11/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*35 - 105*	*01/06/22 08:16*	*01/11/22 15:39*	*1*
2-Fluorophenol (Surr)	*69*		*32 - 105*	*01/06/22 08:16*	*01/11/22 15:39*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*01/06/22 08:16*	*01/11/22 15:39*	*1*
Phenol-d5 (Surr)	*73*		*34 - 105*	*01/06/22 08:16*	*01/11/22 15:39*	*1*
Terphenyl-d14 (Surr)	*92*		*20 - 117*	*01/06/22 08:16*	*01/11/22 15:39*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*20 - 119*	*01/06/22 08:16*	*01/11/22 15:39*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1248	**1.2**		0.019	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1254	**0.52**		0.019	0.0056	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*01/07/22 10:00*	*01/09/22 16:08*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*01/07/22 10:00*	*01/09/22 16:08*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*01/07/22 10:00*	*01/09/22 16:08*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*01/07/22 10:00*	*01/09/22 16:08*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		0.62	0.39	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Barium	**55**		12	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Beryllium	**0.31**		0.25	0.068	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Cadmium	**0.089**	**J**	0.31	0.046	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Chromium	**9.6**		0.31	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Copper	**50**		1.6	0.94	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Lead	**17**		0.62	0.54	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Manganese	**460**		0.93	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Nickel	**22**		2.5	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Selenium	ND		0.62	0.29	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

Client Sample ID: SSHS-IRM5A2-A2-DUP9C
Date Collected: 01/04/22 00:00
Date Received: 01/05/22 10:30

Lab Sample ID: 180-131934-15
Matrix: Solid
Percent Solids: 88.9

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.31	0.065	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1
Zinc	**68**		1.2	0.74	mg/Kg	☼	01/06/22 13:03	01/07/22 11:28	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.034	0.022	mg/Kg	☼	01/06/22 12:19	01/06/22 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		0.1	0.1	%			01/05/22 14:32	1
Percent Solids	**88.9**		0.1	0.1	%			01/05/22 14:32	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	01/07/22 08:43	01/08/22 10:51	1
Cyanide, Total	**0.24**	**J**	0.32	0.24	mg/Kg	☼	01/07/22 12:30	01/07/22 15:42	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-384365/6
Matrix: Solid
Analysis Batch: 384365

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/06/22 08:37	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/06/22 08:37	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/06/22 08:37	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/06/22 08:37	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/06/22 08:37	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/06/22 08:37	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/06/22 08:37	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/06/22 08:37	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/06/22 08:37	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/06/22 08:37	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/06/22 08:37	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/06/22 08:37	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/06/22 08:37	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/06/22 08:37	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/06/22 08:37	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/06/22 08:37	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/06/22 08:37	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/06/22 08:37	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/06/22 08:37	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/06/22 08:37	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/06/22 08:37	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/06/22 08:37	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/06/22 08:37	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/06/22 08:37	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/06/22 08:37	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/06/22 08:37	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/06/22 08:37	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/06/22 08:37	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/06/22 08:37	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/06/22 08:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*		*01/06/22 08:37*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*		*01/06/22 08:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*		*01/06/22 08:37*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*		*01/06/22 08:37*	*1*

Lab Sample ID: LCS 180-384365/3
Matrix: Solid
Analysis Batch: 384365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0354		mg/Kg		89	23 - 170
Benzene	0.0400	0.0416		mg/Kg		104	77 - 120
2-Butanone (MEK)	0.0400	0.0446		mg/Kg		111	39 - 157
Carbon tetrachloride	0.0400	0.0429		mg/Kg		107	73 - 130
Chlorobenzene	0.0400	0.0399		mg/Kg		100	79 - 122
Chloroform	0.0400	0.0393		mg/Kg		98	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-384365/3
Matrix: Solid
Analysis Batch: 384365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0428		mg/Kg		107	77 - 118
1,2-Dichlorobenzene	0.0400	0.0405		mg/Kg		101	76 - 120
1,3-Dichlorobenzene	0.0400	0.0426		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0408		mg/Kg		102	79 - 120
1,1-Dichloroethane	0.0400	0.0417		mg/Kg		104	73 - 124
1,2-Dichloroethane	0.0400	0.0367		mg/Kg		92	64 - 140
1,1-Dichloroethene	0.0400	0.0444		mg/Kg		111	55 - 136
1,4-Dioxane	0.800	0.876	J	mg/Kg		110	18 - 166
Ethylbenzene	0.0400	0.0389		mg/Kg		97	79 - 119
Methylene Chloride	0.0400	0.0420		mg/Kg		105	67 - 131
Methyl tert-butyl ether	0.0400	0.0382		mg/Kg		95	58 - 132
n-Butylbenzene	0.0400	0.0423		mg/Kg		106	64 - 136
N-Propylbenzene	0.0400	0.0442		mg/Kg		110	71 - 127
sec-Butylbenzene	0.0400	0.0423		mg/Kg		106	65 - 130
tert-Butylbenzene	0.0400	0.0442		mg/Kg		111	69 - 133
Tetrachloroethene	0.0400	0.0373		mg/Kg		93	71 - 121
Toluene	0.0400	0.0393		mg/Kg		98	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0439		mg/Kg		110	75 - 122
1,1,1-Trichloroethane	0.0400	0.0433		mg/Kg		108	72 - 134
Trichloroethene	0.0400	0.0438		mg/Kg		109	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0422		mg/Kg		105	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0422		mg/Kg		106	69 - 131
Vinyl chloride	0.0400	0.0386		mg/Kg		97	64 - 134
Xylenes, Total	0.0800	0.0781		mg/Kg		98	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*
Dibromofluoromethane (Surr)	*114*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Lab Sample ID: LCSD 180-384365/4
Matrix: Solid
Analysis Batch: 384365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0365		mg/Kg		91	23 - 170	3	35
Benzene	0.0400	0.0431		mg/Kg		108	77 - 120	4	20
2-Butanone (MEK)	0.0400	0.0466		mg/Kg		116	39 - 157	4	33
Carbon tetrachloride	0.0400	0.0451		mg/Kg		113	73 - 130	5	21
Chlorobenzene	0.0400	0.0409		mg/Kg		102	79 - 122	2	20
Chloroform	0.0400	0.0407		mg/Kg		102	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0442		mg/Kg		110	77 - 118	3	20
1,2-Dichlorobenzene	0.0400	0.0419		mg/Kg		105	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0435		mg/Kg		109	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0417		mg/Kg		104	79 - 120	2	20
1,1-Dichloroethane	0.0400	0.0425		mg/Kg		106	73 - 124	2	20
1,2-Dichloroethane	0.0400	0.0379		mg/Kg		95	64 - 140	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-384365/4
Matrix: Solid
Analysis Batch: 384365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0455		mg/Kg		114	55 - 136	2	21
1,4-Dioxane			0.800	0.868	J	mg/Kg		108	18 - 166	1	40
Ethylbenzene			0.0400	0.0402		mg/Kg		100	79 - 119	3	20
Methylene Chloride			0.0400	0.0428		mg/Kg		107	67 - 131	2	32
Methyl tert-butyl ether			0.0400	0.0405		mg/Kg		101	58 - 132	6	24
n-Butylbenzene			0.0400	0.0433		mg/Kg		108	64 - 136	2	21
N-Propylbenzene			0.0400	0.0444		mg/Kg		111	71 - 127	1	20
sec-Butylbenzene			0.0400	0.0432		mg/Kg		108	65 - 130	2	20
tert-Butylbenzene			0.0400	0.0457		mg/Kg		114	69 - 133	3	23
Tetrachloroethene			0.0400	0.0398		mg/Kg		99	71 - 121	6	21
Toluene			0.0400	0.0402		mg/Kg		100	76 - 120	2	20
trans-1,2-Dichloroethene			0.0400	0.0449		mg/Kg		112	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0452		mg/Kg		113	72 - 134	4	20
Trichloroethene			0.0400	0.0452		mg/Kg		113	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0431		mg/Kg		108	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0430		mg/Kg		108	69 - 131	2	20
Vinyl chloride			0.0400	0.0388		mg/Kg		97	64 - 134	0	23
Xylenes, Total			0.0800	0.0802		mg/Kg		100	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: MB 180-384498/11
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/07/22 13:20	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/07/22 13:20	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/07/22 13:20	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/07/22 13:20	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/07/22 13:20	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/07/22 13:20	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/07/22 13:20	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/07/22 13:20	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/07/22 13:20	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/07/22 13:20	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/07/22 13:20	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/07/22 13:20	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/07/22 13:20	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/07/22 13:20	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/07/22 13:20	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/07/22 13:20	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/07/22 13:20	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/07/22 13:20	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-384498/11
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/07/22 13:20	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/07/22 13:20	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/07/22 13:20	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/07/22 13:20	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/07/22 13:20	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/07/22 13:20	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/07/22 13:20	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/07/22 13:20	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/07/22 13:20	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/07/22 13:20	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/07/22 13:20	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/07/22 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*01/07/22 13:20*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*		*01/07/22 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*		*01/07/22 13:20*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*		*01/07/22 13:20*	*1*

Lab Sample ID: LCS 180-384498/7
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0298		mg/Kg		74	23 - 170
Benzene	0.0400	0.0394		mg/Kg		98	77 - 120
2-Butanone (MEK)	0.0400	0.0333		mg/Kg		83	39 - 157
Carbon tetrachloride	0.0400	0.0424		mg/Kg		106	73 - 130
Chlorobenzene	0.0400	0.0405		mg/Kg		101	79 - 122
Chloroform	0.0400	0.0358		mg/Kg		90	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0396		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0392		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0405		mg/Kg		101	79 - 120
1,1-Dichloroethane	0.0400	0.0386		mg/Kg		96	73 - 124
1,2-Dichloroethane	0.0400	0.0291		mg/Kg		73	64 - 140
1,1-Dichloroethene	0.0400	0.0428		mg/Kg		107	55 - 136
1,4-Dioxane	0.800	0.504	J	mg/Kg		63	18 - 166
Ethylbenzene	0.0400	0.0404		mg/Kg		101	79 - 119
Methylene Chloride	0.0400	0.0390		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0291		mg/Kg		73	58 - 132
n-Butylbenzene	0.0400	0.0447		mg/Kg		112	64 - 136
N-Propylbenzene	0.0400	0.0475		mg/Kg		119	71 - 127
sec-Butylbenzene	0.0400	0.0458		mg/Kg		114	65 - 130
tert-Butylbenzene	0.0400	0.0469		mg/Kg		117	69 - 133
Tetrachloroethene	0.0400	0.0408		mg/Kg		102	71 - 121
Toluene	0.0400	0.0406		mg/Kg		101	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0425		mg/Kg		106	75 - 122

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-384498/7
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0400	0.0431		mg/Kg		108	72 - 134		
Trichloroethene			0.0400	0.0416		mg/Kg		104	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0444		mg/Kg		111	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0447		mg/Kg		112	69 - 131		
Vinyl chloride			0.0400	0.0391		mg/Kg		98	64 - 134		
Xylenes, Total			0.0800	0.0801		mg/Kg		100	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: LCSD 180-384498/8
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0276		mg/Kg		69	23 - 170	8	35
Benzene			0.0400	0.0400		mg/Kg		100	77 - 120	2	20
2-Butanone (MEK)			0.0400	0.0286		mg/Kg		72	39 - 157	15	33
Carbon tetrachloride			0.0400	0.0435		mg/Kg		109	73 - 130	3	21
Chlorobenzene			0.0400	0.0411		mg/Kg		103	79 - 122	1	20
Chloroform			0.0400	0.0364		mg/Kg		91	73 - 126	2	20
cis-1,2-Dichloroethene			0.0400	0.0406		mg/Kg		101	77 - 118	2	20
1,2-Dichlorobenzene			0.0400	0.0392		mg/Kg		98	76 - 120	0	20
1,3-Dichlorobenzene			0.0400	0.0445		mg/Kg		111	77 - 121	4	20
1,4-Dichlorobenzene			0.0400	0.0417		mg/Kg		104	79 - 120	3	20
1,1-Dichloroethane			0.0400	0.0400		mg/Kg		100	73 - 124	3	20
1,2-Dichloroethane			0.0400	0.0278		mg/Kg		70	64 - 140	4	20
1,1-Dichloroethene			0.0400	0.0439		mg/Kg		110	55 - 136	3	21
1,4-Dioxane			0.800	0.421	J	mg/Kg		53	18 - 166	18	40
Ethylbenzene			0.0400	0.0418		mg/Kg		105	79 - 119	4	20
Methylene Chloride			0.0400	0.0374		mg/Kg		93	67 - 131	4	32
Methyl tert-butyl ether			0.0400	0.0265		mg/Kg		66	58 - 132	9	24
n-Butylbenzene			0.0400	0.0474		mg/Kg		119	64 - 136	6	21
N-Propylbenzene			0.0400	0.0519	*+	mg/Kg		130	71 - 127	9	20
sec-Butylbenzene			0.0400	0.0494		mg/Kg		124	65 - 130	8	20
tert-Butylbenzene			0.0400	0.0518		mg/Kg		129	69 - 133	10	23
Tetrachloroethene			0.0400	0.0432		mg/Kg		108	71 - 121	6	21
Toluene			0.0400	0.0426		mg/Kg		107	76 - 120	5	20
trans-1,2-Dichloroethene			0.0400	0.0441		mg/Kg		110	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0431		mg/Kg		108	72 - 134	0	20
Trichloroethene			0.0400	0.0429		mg/Kg		107	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0470		mg/Kg		117	74 - 127	6	20
1,3,5-Trimethylbenzene			0.0400	0.0483		mg/Kg		121	69 - 131	8	20
Vinyl chloride			0.0400	0.0404		mg/Kg		101	64 - 134	3	23
Xylenes, Total			0.0800	0.0817		mg/Kg		102	78 - 118	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-384498/8
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*70*	*S1-*	*73 - 135*
Toluene-d8 (Surr)	*113*		*67 - 134*

Lab Sample ID: MB 180-384632/6
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/10/22 11:06	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/10/22 11:06	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/10/22 11:06	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/10/22 11:06	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/10/22 11:06	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/10/22 11:06	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/10/22 11:06	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/10/22 11:06	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/10/22 11:06	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/10/22 11:06	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/10/22 11:06	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/10/22 11:06	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/10/22 11:06	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/10/22 11:06	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/10/22 11:06	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/10/22 11:06	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/10/22 11:06	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/10/22 11:06	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/10/22 11:06	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/10/22 11:06	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/10/22 11:06	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/10/22 11:06	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/10/22 11:06	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/10/22 11:06	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/10/22 11:06	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/10/22 11:06	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/10/22 11:06	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/10/22 11:06	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/10/22 11:06	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/10/22 11:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*		*01/10/22 11:06*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*		*01/10/22 11:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*		*01/10/22 11:06*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*		*01/10/22 11:06*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-384632/3
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			0.0400	0.0219		mg/Kg		55	23 - 170		
Benzene			0.0400	0.0395		mg/Kg		99	77 - 120		
2-Butanone (MEK)			0.0400	0.0280		mg/Kg		70	39 - 157		
Carbon tetrachloride			0.0400	0.0419		mg/Kg		105	73 - 130		
Chlorobenzene			0.0400	0.0396		mg/Kg		99	79 - 122		
Chloroform			0.0400	0.0391		mg/Kg		98	73 - 126		
cis-1,2-Dichloroethene			0.0400	0.0412		mg/Kg		103	77 - 118		
1,2-Dichlorobenzene			0.0400	0.0391		mg/Kg		98	76 - 120		
1,3-Dichlorobenzene			0.0400	0.0431		mg/Kg		108	77 - 121		
1,4-Dichlorobenzene			0.0400	0.0406		mg/Kg		102	79 - 120		
1,1-Dichloroethane			0.0400	0.0391		mg/Kg		98	73 - 124		
1,2-Dichloroethane			0.0400	0.0288		mg/Kg		72	64 - 140		
1,1-Dichloroethene			0.0400	0.0437		mg/Kg		109	55 - 136		
1,4-Dioxane			0.800	0.464	J	mg/Kg		58	18 - 166		
Ethylbenzene			0.0400	0.0393		mg/Kg		98	79 - 119		
Methylene Chloride			0.0400	0.0390		mg/Kg		98	67 - 131		
Methyl tert-butyl ether			0.0400	0.0286		mg/Kg		71	58 - 132		
n-Butylbenzene			0.0400	0.0434		mg/Kg		108	64 - 136		
N-Propylbenzene			0.0400	0.0470		mg/Kg		118	71 - 127		
sec-Butylbenzene			0.0400	0.0448		mg/Kg		112	65 - 130		
tert-Butylbenzene			0.0400	0.0474		mg/Kg		118	69 - 133		
Tetrachloroethene			0.0400	0.0402		mg/Kg		100	71 - 121		
Toluene			0.0400	0.0402		mg/Kg		100	76 - 120		
trans-1,2-Dichloroethene			0.0400	0.0429		mg/Kg		107	75 - 122		
1,1,1-Trichloroethane			0.0400	0.0416		mg/Kg		104	72 - 134		
Trichloroethene			0.0400	0.0429		mg/Kg		107	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0438		mg/Kg		109	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0439		mg/Kg		110	69 - 131		
Vinyl chloride			0.0400	0.0399		mg/Kg		100	64 - 134		
Xylenes, Total			0.0800	0.0778		mg/Kg		97	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-384632/4
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0319	*1	mg/Kg		80	23 - 170	37	35
Benzene			0.0400	0.0387		mg/Kg		97	77 - 120	2	20
2-Butanone (MEK)			0.0400	0.0423	*1	mg/Kg		106	39 - 157	41	33
Carbon tetrachloride			0.0400	0.0406		mg/Kg		102	73 - 130	3	21
Chlorobenzene			0.0400	0.0386		mg/Kg		97	79 - 122	3	20
Chloroform			0.0400	0.0365		mg/Kg		91	73 - 126	7	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-384632/4
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0400	0.0407		mg/Kg		102	77 - 118	1	20
1,2-Dichlorobenzene	0.0400	0.0398		mg/Kg		100	76 - 120	2	20
1,3-Dichlorobenzene	0.0400	0.0420		mg/Kg		105	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0403		mg/Kg		101	79 - 120	1	20
1,1-Dichloroethane	0.0400	0.0382		mg/Kg		95	73 - 124	2	20
1,2-Dichloroethane	0.0400	0.0317		mg/Kg		79	64 - 140	9	20
1,1-Dichloroethene	0.0400	0.0427		mg/Kg		107	55 - 136	2	21
1,4-Dioxane	0.800	0.575	J	mg/Kg		72	18 - 166	21	40
Ethylbenzene	0.0400	0.0376		mg/Kg		94	79 - 119	4	20
Methylene Chloride	0.0400	0.0407		mg/Kg		102	67 - 131	4	32
Methyl tert-butyl ether	0.0400	0.0330		mg/Kg		83	58 - 132	15	24
n-Butylbenzene	0.0400	0.0403		mg/Kg		101	64 - 136	7	21
N-Propylbenzene	0.0400	0.0450		mg/Kg		113	71 - 127	4	20
sec-Butylbenzene	0.0400	0.0425		mg/Kg		106	65 - 130	5	20
tert-Butylbenzene	0.0400	0.0448		mg/Kg		112	69 - 133	6	23
Tetrachloroethene	0.0400	0.0385		mg/Kg		96	71 - 121	4	21
Toluene	0.0400	0.0376		mg/Kg		94	76 - 120	6	20
trans-1,2-Dichloroethene	0.0400	0.0413		mg/Kg		103	75 - 122	4	20
1,1,1-Trichloroethane	0.0400	0.0400		mg/Kg		100	72 - 134	4	20
Trichloroethene	0.0400	0.0418		mg/Kg		105	69 - 118	2	20
1,2,4-Trimethylbenzene	0.0400	0.0424		mg/Kg		106	74 - 127	3	20
1,3,5-Trimethylbenzene	0.0400	0.0422		mg/Kg		106	69 - 131	4	20
Vinyl chloride	0.0400	0.0413		mg/Kg		103	64 - 134	4	23
Xylenes, Total	0.0800	0.0752		mg/Kg		94	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: MB 180-384770/6
Matrix: Solid
Analysis Batch: 384770

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/11/22 09:21	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/11/22 09:21	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/11/22 09:21	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/11/22 09:21	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/11/22 09:21	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/11/22 09:21	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/11/22 09:21	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/11/22 09:21	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/11/22 09:21	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/11/22 09:21	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/11/22 09:21	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/11/22 09:21	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-384770/6
Matrix: Solid
Analysis Batch: 384770

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/11/22 09:21	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/11/22 09:21	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/11/22 09:21	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/11/22 09:21	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/11/22 09:21	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/11/22 09:21	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/11/22 09:21	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/11/22 09:21	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/11/22 09:21	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/11/22 09:21	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/11/22 09:21	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/11/22 09:21	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/11/22 09:21	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/11/22 09:21	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/11/22 09:21	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/11/22 09:21	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/11/22 09:21	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/11/22 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*		*01/11/22 09:21*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*01/11/22 09:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*		*01/11/22 09:21*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*01/11/22 09:21*	*1*

Lab Sample ID: LCS 180-384770/3
Matrix: Solid
Analysis Batch: 384770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0377		mg/Kg		94	23 - 170
Benzene	0.0400	0.0392		mg/Kg		98	77 - 120
2-Butanone (MEK)	0.0400	0.0477		mg/Kg		119	39 - 157
Carbon tetrachloride	0.0400	0.0405		mg/Kg		101	73 - 130
Chlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 122
Chloroform	0.0400	0.0366		mg/Kg		91	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0414		mg/Kg		104	77 - 118
1,2-Dichlorobenzene	0.0400	0.0430		mg/Kg		107	76 - 120
1,3-Dichlorobenzene	0.0400	0.0452		mg/Kg		113	77 - 121
1,4-Dichlorobenzene	0.0400	0.0428		mg/Kg		107	79 - 120
1,1-Dichloroethane	0.0400	0.0388		mg/Kg		97	73 - 124
1,2-Dichloroethane	0.0400	0.0341		mg/Kg		85	64 - 140
1,1-Dichloroethene	0.0400	0.0415		mg/Kg		104	55 - 136
1,4-Dioxane	0.800	0.793	J	mg/Kg		99	18 - 166
Ethylbenzene	0.0400	0.0398		mg/Kg		100	79 - 119
Methylene Chloride	0.0400	0.0393		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0362		mg/Kg		91	58 - 132
n-Butylbenzene	0.0400	0.0429		mg/Kg		107	64 - 136

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-384770/3
Matrix: Solid
Analysis Batch: 384770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0467		mg/Kg		117	71 - 127
sec-Butylbenzene	0.0400	0.0439		mg/Kg		110	65 - 130
tert-Butylbenzene	0.0400	0.0468		mg/Kg		117	69 - 133
Tetrachloroethene	0.0400	0.0411		mg/Kg		103	71 - 121
Toluene	0.0400	0.0402		mg/Kg		100	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0427		mg/Kg		107	75 - 122
1,1,1-Trichloroethane	0.0400	0.0396		mg/Kg		99	72 - 134
Trichloroethene	0.0400	0.0430		mg/Kg		107	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0443		mg/Kg		111	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0439		mg/Kg		110	69 - 131
Vinyl chloride	0.0400	0.0346		mg/Kg		86	64 - 134
Xylenes, Total	0.0800	0.0803		mg/Kg		100	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Lab Sample ID: LCSD 180-384770/4
Matrix: Solid
Analysis Batch: 384770

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0290		mg/Kg		72	23 - 170	26	35
Benzene	0.0400	0.0411		mg/Kg		103	77 - 120	5	20
2-Butanone (MEK)	0.0400	0.0339	*1	mg/Kg		85	39 - 157	34	33
Carbon tetrachloride	0.0400	0.0437		mg/Kg		109	73 - 130	7	21
Chlorobenzene	0.0400	0.0424		mg/Kg		106	79 - 122	3	20
Chloroform	0.0400	0.0389		mg/Kg		97	73 - 126	6	20
cis-1,2-Dichloroethene	0.0400	0.0447		mg/Kg		112	77 - 118	8	20
1,2-Dichlorobenzene	0.0400	0.0446		mg/Kg		111	76 - 120	4	20
1,3-Dichlorobenzene	0.0400	0.0465		mg/Kg		116	77 - 121	3	20
1,4-Dichlorobenzene	0.0400	0.0438		mg/Kg		110	79 - 120	2	20
1,1-Dichloroethane	0.0400	0.0404		mg/Kg		101	73 - 124	4	20
1,2-Dichloroethane	0.0400	0.0356		mg/Kg		89	64 - 140	4	20
1,1-Dichloroethene	0.0400	0.0456		mg/Kg		114	55 - 136	9	21
1,4-Dioxane	0.800	0.804	J	mg/Kg		101	18 - 166	1	40
Ethylbenzene	0.0400	0.0409		mg/Kg		102	79 - 119	3	20
Methylene Chloride	0.0400	0.0429		mg/Kg		107	67 - 131	9	32
Methyl tert-butyl ether	0.0400	0.0394		mg/Kg		99	58 - 132	8	24
n-Butylbenzene	0.0400	0.0444		mg/Kg		111	64 - 136	3	21
N-Propylbenzene	0.0400	0.0475		mg/Kg		119	71 - 127	1	20
sec-Butylbenzene	0.0400	0.0445		mg/Kg		111	65 - 130	1	20
tert-Butylbenzene	0.0400	0.0476		mg/Kg		119	69 - 133	2	23
Tetrachloroethene	0.0400	0.0436		mg/Kg		109	71 - 121	6	21
Toluene	0.0400	0.0407		mg/Kg		102	76 - 120	1	20
trans-1,2-Dichloroethene	0.0400	0.0449		mg/Kg		112	75 - 122	5	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-384770/4
Matrix: Solid
Analysis Batch: 384770

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0400	0.0442		mg/Kg		111	72 - 134	11	20
Trichloroethene			0.0400	0.0458		mg/Kg		114	69 - 118	6	20
1,2,4-Trimethylbenzene			0.0400	0.0447		mg/Kg		112	74 - 127	1	20
1,3,5-Trimethylbenzene			0.0400	0.0443		mg/Kg		111	69 - 131	1	20
Vinyl chloride			0.0400	0.0364		mg/Kg		91	64 - 134	5	23
Xylenes, Total			0.0800	0.0822		mg/Kg		103	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-384389/1-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Anthracene	ND		0.0067	0.0017	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Chrysene	ND		0.0067	0.0037	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Fluorene	ND		0.0067	0.0013	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Phenol	ND		0.033	0.010	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Pyrene	ND		0.0067	0.0016	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
Pyridine	ND		0.067	0.018	mg/Kg		01/06/22 08:16	01/11/22 10:34	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		01/06/22 08:16	01/11/22 10:34	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-384389/1-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		01/06/22 08:16	01/11/22 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*01/06/22 08:16*	*01/11/22 10:34*	*1*
2-Fluorophenol (Surr)	*71*		*32 - 105*	*01/06/22 08:16*	*01/11/22 10:34*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*01/06/22 08:16*	*01/11/22 10:34*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*01/06/22 08:16*	*01/11/22 10:34*	*1*
Terphenyl-d14 (Surr)	*89*		*20 - 117*	*01/06/22 08:16*	*01/11/22 10:34*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*	*01/06/22 08:16*	*01/11/22 10:34*	*1*

Lab Sample ID: LCS 180-384389/15-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.415		mg/Kg		62	41 - 100
Acenaphthylene	0.667	0.444		mg/Kg		67	45 - 100
Anthracene	0.667	0.450		mg/Kg		67	47 - 100
Benzo[a]anthracene	0.667	0.446		mg/Kg		67	47 - 100
Benzo[a]pyrene	0.667	0.472		mg/Kg		71	45 - 101
Benzo[b]fluoranthene	0.667	0.430		mg/Kg		65	44 - 100
Benzo[g,h,i]perylene	0.667	0.445		mg/Kg		67	45 - 103
Benzo[k]fluoranthene	0.667	0.405		mg/Kg		61	43 - 100
Chrysene	0.667	0.438		mg/Kg		66	44 - 100
Dibenz(a,h)anthracene	0.667	0.456		mg/Kg		68	46 - 107
Dibenzofuran	0.667	0.465		mg/Kg		70	47 - 100
2,4-Dinitrotoluene	0.667	0.489		mg/Kg		73	48 - 106
1,4-Dioxane	0.667	0.618		mg/Kg		93	10 - 133
Fluoranthene	0.667	0.458		mg/Kg		69	49 - 102
Fluorene	0.667	0.437		mg/Kg		66	46 - 100
Hexachlorobenzene	0.667	0.473		mg/Kg		71	45 - 101
Hexachlorobutadiene	0.667	0.452		mg/Kg		68	38 - 110
Hexachloroethane	0.667	0.402		mg/Kg		60	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.456		mg/Kg		68	48 - 104
2-Methylphenol	0.667	0.438		mg/Kg		66	43 - 101
Methylphenol, 3 & 4	0.667	0.464		mg/Kg		70	43 - 104
Naphthalene	0.667	0.409		mg/Kg		61	43 - 100
Nitrobenzene	0.667	0.412		mg/Kg		62	43 - 107
Pentachlorophenol	1.33	0.964		mg/Kg		72	34 - 112
Phenanthrene	0.667	0.441		mg/Kg		66	46 - 100
Phenol	0.667	0.426		mg/Kg		64	42 - 103
Pyrene	0.667	0.424		mg/Kg		64	44 - 102
Pyridine	1.33	0.828		mg/Kg		62	25 - 109
2,4,5-Trichlorophenol	0.667	0.465		mg/Kg		70	47 - 108
2,4,6-Trichlorophenol	0.667	0.483		mg/Kg		72	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*35 - 105*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-384389/15-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384389

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	74		32 - 105
Nitrobenzene-d5 (Surr)	71		34 - 109
Phenol-d5 (Surr)	79		34 - 105
Terphenyl-d14 (Surr)	82		20 - 117
2,4,6-Tribromophenol (Surr)	87		20 - 119

Lab Sample ID: 180-131934-3 MS
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: SSHS-IRM5A2-A2-A28C
Prep Type: Total/NA
Prep Batch: 384389

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0035	J	0.748	0.447		mg/Kg	☼	59	41 - 100
Acenaphthylene	0.021		0.748	0.527		mg/Kg	☼	68	45 - 100
Anthracene	0.015		0.748	0.512		mg/Kg	☼	67	47 - 100
Benzo[a]anthracene	0.053		0.748	0.551		mg/Kg	☼	67	47 - 100
Benzo[a]pyrene	0.043		0.748	0.546		mg/Kg	☼	67	45 - 101
Benzo[b]fluoranthene	0.062		0.748	0.503		mg/Kg	☼	59	44 - 100
Benzo[g,h,i]perylene	0.038		0.748	0.548		mg/Kg	☼	68	45 - 103
Benzo[k]fluoranthene	0.023		0.748	0.465		mg/Kg	☼	59	43 - 100
Chrysene	0.066		0.748	0.553		mg/Kg	☼	65	44 - 100
Dibenz(a,h)anthracene	0.0095		0.748	0.510		mg/Kg	☼	67	46 - 107
Dibenzofuran	ND		0.748	0.509		mg/Kg	☼	68	47 - 100
2,4-Dinitrotoluene	ND		0.748	0.533		mg/Kg	☼	71	48 - 106
1,4-Dioxane	ND		0.748	0.248		mg/Kg	☼	33	10 - 133
Fluoranthene	0.067		0.748	0.551		mg/Kg	☼	65	49 - 102
Fluorene	0.0047	J	0.748	0.494		mg/Kg	☼	65	46 - 100
Hexachlorobenzene	ND		0.748	0.520		mg/Kg	☼	70	45 - 101
Hexachlorobutadiene	ND		0.748	0.472		mg/Kg	☼	63	38 - 110
Hexachloroethane	ND		0.748	0.404		mg/Kg	☼	54	40 - 100
Indeno[1,2,3-cd]pyrene	0.031		0.748	0.549		mg/Kg	☼	69	48 - 104
2-Methylphenol	ND		0.748	0.396		mg/Kg	☼	53	43 - 101
Methylphenol, 3 & 4	0.022	J	0.748	0.444		mg/Kg	☼	56	43 - 104
Naphthalene	0.015		0.748	0.446		mg/Kg	☼	58	43 - 100
Nitrobenzene	ND		0.748	0.436		mg/Kg	☼	58	43 - 107
Pentachlorophenol	ND		1.50	0.762		mg/Kg	☼	51	34 - 112
Phenanthrene	0.034		0.748	0.514		mg/Kg	☼	64	46 - 100
Phenol	ND		0.748	0.444		mg/Kg	☼	59	42 - 103
Pyrene	0.081		0.748	0.560		mg/Kg	☼	64	44 - 102
Pyridine	ND	F1	1.50	0.153	F1	mg/Kg	☼	10	25 - 109
2,4,5-Trichlorophenol	ND		0.748	0.481		mg/Kg	☼	64	47 - 108
2,4,6-Trichlorophenol	ND		0.748	0.503		mg/Kg	☼	67	47 - 108

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	69		35 - 105
2-Fluorophenol (Surr)	65		32 - 105
Nitrobenzene-d5 (Surr)	67		34 - 109
Phenol-d5 (Surr)	67		34 - 105
Terphenyl-d14 (Surr)	74		20 - 117

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-131934-3 MS
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: SSHS-IRM5A2-A2-A28C
Prep Type: Total/NA
Prep Batch: 384389

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*

Lab Sample ID: 180-131934-3 MSD
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: SSHS-IRM5A2-A2-A28C
Prep Type: Total/NA
Prep Batch: 384389

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0035	J	0.757	0.466		mg/Kg	☼	61	41 - 100	4	22
Acenaphthylene	0.021		0.757	0.536		mg/Kg	☼	68	45 - 100	2	23
Anthracene	0.015		0.757	0.541		mg/Kg	☼	69	47 - 100	6	26
Benzo[a]anthracene	0.053		0.757	0.541		mg/Kg	☼	64	47 - 100	2	24
Benzo[a]pyrene	0.043		0.757	0.573		mg/Kg	☼	70	45 - 101	5	21
Benzo[b]fluoranthene	0.062		0.757	0.541		mg/Kg	☼	63	44 - 100	7	26
Benzo[g,h,i]perylene	0.038		0.757	0.579		mg/Kg	☼	71	45 - 103	6	22
Benzo[k]fluoranthene	0.023		0.757	0.465		mg/Kg	☼	58	43 - 100	0	18
Chrysene	0.066		0.757	0.566		mg/Kg	☼	66	44 - 100	2	26
Dibenz(a,h)anthracene	0.0095		0.757	0.561		mg/Kg	☼	73	46 - 107	9	24
Dibenzofuran	ND		0.757	0.529		mg/Kg	☼	70	47 - 100	4	19
2,4-Dinitrotoluene	ND		0.757	0.544		mg/Kg	☼	72	48 - 106	2	20
1,4-Dioxane	ND		0.757	0.215		mg/Kg	☼	28	10 - 133	14	40
Fluoranthene	0.067		0.757	0.588		mg/Kg	☼	69	49 - 102	6	26
Fluorene	0.0047	J	0.757	0.503		mg/Kg	☼	66	46 - 100	2	22
Hexachlorobenzene	ND		0.757	0.564		mg/Kg	☼	74	45 - 101	8	27
Hexachlorobutadiene	ND		0.757	0.493		mg/Kg	☼	65	38 - 110	4	27
Hexachloroethane	ND		0.757	0.420		mg/Kg	☼	55	40 - 100	4	27
Indeno[1,2,3-cd]pyrene	0.031		0.757	0.592		mg/Kg	☼	74	48 - 104	7	22
2-Methylphenol	ND		0.757	0.427		mg/Kg	☼	56	43 - 101	7	27
Methylphenol, 3 & 4	0.022	J	0.757	0.482		mg/Kg	☼	61	43 - 104	8	24
Naphthalene	0.015		0.757	0.470		mg/Kg	☼	60	43 - 100	5	28
Nitrobenzene	ND		0.757	0.461		mg/Kg	☼	61	43 - 107	6	28
Pentachlorophenol	ND		1.51	0.794		mg/Kg	☼	52	34 - 112	4	28
Phenanthrene	0.034		0.757	0.529		mg/Kg	☼	65	46 - 100	3	27
Phenol	ND		0.757	0.442		mg/Kg	☼	58	42 - 103	1	30
Pyrene	0.081		0.757	0.559		mg/Kg	☼	63	44 - 102	0	27
Pyridine	ND	F1	1.51	0.116	F1	mg/Kg	☼	8	25 - 109	28	31
2,4,5-Trichlorophenol	ND		0.757	0.498		mg/Kg	☼	66	47 - 108	4	19
2,4,6-Trichlorophenol	ND		0.757	0.519		mg/Kg	☼	68	47 - 108	3	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	*71*		*35 - 105*
2-Fluorophenol (Surr)	*70*		*32 - 105*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*
Phenol-d5 (Surr)	*66*		*34 - 105*
Terphenyl-d14 (Surr)	*73*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*88*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-384428/1-C
Matrix: Solid
Analysis Batch: 384613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1262	ND		0.017	0.0059	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/07/22 10:00	01/09/22 12:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*01/07/22 10:00*	*01/09/22 12:58*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*01/07/22 10:00*	*01/09/22 12:58*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*01/07/22 10:00*	*01/09/22 12:58*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*01/07/22 10:00*	*01/09/22 12:58*	*1*

Lab Sample ID: LCS 180-384428/2-C
Matrix: Solid
Analysis Batch: 384613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.10		mg/Kg		82	43 - 136
PCB-1260	1.33	1.21		mg/Kg		91	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-384457/1-A
Matrix: Solid
Analysis Batch: 384615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Barium	ND		20	3.6	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Beryllium	ND		0.40	0.11	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Cadmium	ND		0.50	0.073	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Chromium	ND		0.50	0.46	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Copper	ND		2.5	1.5	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Lead	ND		1.0	0.87	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Manganese	ND		1.5	0.28	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Nickel	ND		4.0	0.50	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Selenium	ND		1.0	0.46	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Silver	ND		0.50	0.10	mg/Kg		01/06/22 13:03	01/07/22 11:01	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-384457/1-A
Matrix: Solid
Analysis Batch: 384615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	1.2	mg/Kg		01/06/22 13:03	01/07/22 11:01	1

Lab Sample ID: LCS 180-384457/2-A
Matrix: Solid
Analysis Batch: 384615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	96.7		mg/Kg		97	80 - 120
Barium	100	97.6		mg/Kg		98	80 - 120
Beryllium	50.0	48.7		mg/Kg		97	80 - 120
Cadmium	50.0	47.7		mg/Kg		95	80 - 120
Chromium	50.0	47.1		mg/Kg		94	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	43.8		mg/Kg		88	80 - 120
Manganese	50.0	48.0		mg/Kg		96	80 - 120
Nickel	50.0	46.4		mg/Kg		93	80 - 120
Selenium	100	91.3		mg/Kg		91	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	22.7		mg/Kg		91	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-384448/1-A
Matrix: Solid
Analysis Batch: 384487

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/06/22 12:19	01/06/22 15:42	1

Lab Sample ID: LCS 180-384448/2-A
Matrix: Solid
Analysis Batch: 384487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.469		mg/Kg		113	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-384518/1-A
Matrix: Solid
Analysis Batch: 384601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/07/22 08:43	01/08/22 10:38	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-384518/3-A
Matrix: Solid
Analysis Batch: 384601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384518

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	752		mg/Kg		106	80 - 120

Lab Sample ID: LCSS 180-384518/2-A
Matrix: Solid
Analysis Batch: 384601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384518

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	15.9		mg/Kg		80	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-384550/4-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.30	0.23	mg/Kg		01/07/22 12:30	01/07/22 15:28	1

Lab Sample ID: HLCS 180-384550/2-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384550

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.254		mg/Kg		102	90 - 110

Lab Sample ID: LCS 180-384550/3-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	14.9		mg/Kg		65	17 - 163

Lab Sample ID: LLCS 180-384550/1-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384550

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0528		mg/Kg		106	90 - 110

GC/MS VOA

Analysis Batch: 384365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-1	SSHS-IRM5A2-A2-A28A	Total/NA	Solid	EPA 8260C	384369
180-131934-4	SSHS-IRM5A2-A2-A29A	Total/NA	Solid	EPA 8260C	384369
MB 180-384365/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-384365/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-384365/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 384369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-1	SSHS-IRM5A2-A2-A28A	Total/NA	Solid	5035	
180-131934-4	SSHS-IRM5A2-A2-A29A	Total/NA	Solid	5035	

Analysis Batch: 384498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-2	SSHS-IRM5A2-A2-A28B	Total/NA	Solid	EPA 8260C	384574
180-131934-5	SSHS-IRM5A2-A2-A29B	Total/NA	Solid	EPA 8260C	384574
180-131934-7	SSHS-IRM5A2-A2-A30A	Total/NA	Solid	EPA 8260C	384574
180-131934-8	SSHS-IRM5A2-A2-A30B	Total/NA	Solid	EPA 8260C	384574
180-131934-10	SSHS-IRM5A2-A2-A31A	Total/NA	Solid	EPA 8260C	384574
180-131934-11	SSHS-IRM5A2-A2-A31B	Total/NA	Solid	EPA 8260C	384574
MB 180-384498/11	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-384498/7	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-384498/8	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 384574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-2	SSHS-IRM5A2-A2-A28B	Total/NA	Solid	5035	
180-131934-5	SSHS-IRM5A2-A2-A29B	Total/NA	Solid	5035	
180-131934-7	SSHS-IRM5A2-A2-A30A	Total/NA	Solid	5035	
180-131934-8	SSHS-IRM5A2-A2-A30B	Total/NA	Solid	5035	
180-131934-10	SSHS-IRM5A2-A2-A31A	Total/NA	Solid	5035	
180-131934-11	SSHS-IRM5A2-A2-A31B	Total/NA	Solid	5035	

Analysis Batch: 384632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-13	SSHS-IRM5A2-A2-DUP9A	Total/NA	Solid	EPA 8260C	384680
MB 180-384632/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-384632/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-384632/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 384680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-13	SSHS-IRM5A2-A2-DUP9A	Total/NA	Solid	5035	

Analysis Batch: 384770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-14	SSHS-IRM5A2-A2-DUP9B	Total/NA	Solid	EPA 8260C	384782
MB 180-384770/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-384770/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-384770/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-131934-1

GC/MS VOA

Prep Batch: 384782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-14	SSHS-IRM5A2-A2-DUP9B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 384389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3541	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	3541	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	3541	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	3541	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	3541	
MB 180-384389/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-384389/15-A	Lab Control Sample	Total/NA	Solid	3541	
180-131934-3 MS	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3541	
180-131934-3 MSD	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3541	

Analysis Batch: 384810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 8270D LL	384389
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	EPA 8270D LL	384389
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	EPA 8270D LL	384389
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	EPA 8270D LL	384389
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	EPA 8270D LL	384389
MB 180-384389/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	384389
LCS 180-384389/15-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	384389
180-131934-3 MS	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 8270D LL	384389
180-131934-3 MSD	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 8270D LL	384389

GC Semi VOA

Prep Batch: 384428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3541	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	3541	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	3541	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	3541	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	3541	
MB 180-384428/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 384610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3665A	384428
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	3665A	384428
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	3665A	384428
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	3665A	384428
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	3665A	384428
MB 180-384428/1-C	Method Blank	Total/NA	Solid	3665A	384428
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	3665A	384428

GC Semi VOA

Cleanup Batch: 384611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3660B	384610
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	3660B	384610
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	3660B	384610
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	3660B	384610
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	3660B	384610
MB 180-384428/1-C	Method Blank	Total/NA	Solid	3660B	384610
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	3660B	384610

Analysis Batch: 384613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 8082A	384611
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	EPA 8082A	384611
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	EPA 8082A	384611
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	EPA 8082A	384611
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	EPA 8082A	384611
MB 180-384428/1-C	Method Blank	Total/NA	Solid	EPA 8082A	384611
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	384611

Metals

Prep Batch: 384448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	7471B	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	7471B	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	7471B	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	7471B	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	7471B	
MB 180-384448/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-384448/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 384457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3050B	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	3050B	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	3050B	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	3050B	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	3050B	
MB 180-384457/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-384457/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 384487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 7471B	384448
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	EPA 7471B	384448
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	EPA 7471B	384448
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	EPA 7471B	384448
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	EPA 7471B	384448
MB 180-384448/1-A	Method Blank	Total/NA	Solid	EPA 7471B	384448
LCS 180-384448/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	384448

Metals

Analysis Batch: 384615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 6010C	384457
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	EPA 6010C	384457
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	EPA 6010C	384457
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	EPA 6010C	384457
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	EPA 6010C	384457
MB 180-384457/1-A	Method Blank	Total/NA	Solid	EPA 6010C	384457
LCS 180-384457/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	384457

General Chemistry

Analysis Batch: 384332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-1	SSHS-IRM5A2-A2-A28A	Total/NA	Solid	2540G	
180-131934-2	SSHS-IRM5A2-A2-A28B	Total/NA	Solid	2540G	
180-131934-4	SSHS-IRM5A2-A2-A29A	Total/NA	Solid	2540G	
180-131934-5	SSHS-IRM5A2-A2-A29B	Total/NA	Solid	2540G	
180-131934-7	SSHS-IRM5A2-A2-A30A	Total/NA	Solid	2540G	
180-131934-8	SSHS-IRM5A2-A2-A30B	Total/NA	Solid	2540G	
180-131934-10	SSHS-IRM5A2-A2-A31A	Total/NA	Solid	2540G	
180-131934-11	SSHS-IRM5A2-A2-A31B	Total/NA	Solid	2540G	
180-131934-13	SSHS-IRM5A2-A2-DUP9A	Total/NA	Solid	2540G	
180-131934-14	SSHS-IRM5A2-A2-DUP9B	Total/NA	Solid	2540G	

Analysis Batch: 384336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	2540G	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	2540G	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	2540G	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	2540G	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	2540G	

Prep Batch: 384518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	3060A	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	3060A	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	3060A	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	3060A	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	3060A	
MB 180-384518/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-384518/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-384518/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 384550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	9010C	
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	9010C	
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	9010C	
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	9010C	
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	9010C	
MB 180-384550/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-384550/2-A	Lab Control Sample	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 384550 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-384550/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-384550/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 384601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 7196A	384518
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	EPA 7196A	384518
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	EPA 7196A	384518
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	EPA 7196A	384518
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	EPA 7196A	384518
MB 180-384518/1-A	Method Blank	Total/NA	Solid	EPA 7196A	384518
LCSI 180-384518/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	384518
LCSS 180-384518/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	384518

Analysis Batch: 384679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-131934-3	SSHS-IRM5A2-A2-A28C	Total/NA	Solid	EPA 9014	384550
180-131934-6	SSHS-IRM5A2-A2-A29C	Total/NA	Solid	EPA 9014	384550
180-131934-9	SSHS-IRM5A2-A2-A30C	Total/NA	Solid	EPA 9014	384550
180-131934-12	SSHS-IRM5A2-A2-A31C	Total/NA	Solid	EPA 9014	384550
180-131934-15	SSHS-IRM5A2-A2-DUP9C	Total/NA	Solid	EPA 9014	384550
MB 180-384550/4-A	Method Blank	Total/NA	Solid	EPA 9014	384550
HLCS 180-384550/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384550
LCS 180-384550/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384550
LLCS 180-384550/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384550

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day TAT as per Miranda Stelmach D. Dunlap 1/5/22 **1 day**			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A28A	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28B	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28C	1/4/22	1130	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A29A	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29B	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29C	1/4/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A30A	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30B	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30C	1/4/22	1215	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A31A	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31B	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31C	1/4/22	1400	C	S	N	N		X	X	X	X	X	X	X					5	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/4/2022 1530			1/5/22 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 662.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-DUP9A	1/4/22		G	S	N	N	X												4	
SSHS-IRM5A2-A2-DUP9B	1/4/22		G	S	N	N	X												4	
SSHS-IRM5A2-A2-DUP9C	1/4/22		C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Marilette Dempsey	1/4/2022 1530	Company: Geosyntec		1/5/22 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
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Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-131934 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A28A	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28B	1/4/22	1130	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A28C	1/4/22	1130	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A29A	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29B	1/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A29C	1/4/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A30A	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30B	1/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A30C	1/4/22	1215	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A31A	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31B	1/4/22	1400	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A31C	1/4/22	1400	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client Disposal By Lab Archive For ☐ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/4/2022 1530			1/5/22 1100	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: Seal	Cooler Temperature(s) °C and Other Remarks: 0.9c

Ver: 01/16/2019

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1/12/2022

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

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Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146 / 862.338.0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SHS-IRM5A2-A2-DUP9A	1/4/22		G	S	N	N	X													4	
SHS-IRM5A2-A2-DUP9B	1/4/22		G	S	N	N	X													4	
SHS-IRM5A2-A2-DUP9C	1/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

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☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client Disposal By Lab Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/4/2022 1530	Geosyntec		1/5/22 1100	GEI Soc
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 0.9c

1/12/2022

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

180-131934 Field Sheet

Job: _____

Tracking # : 775648449191

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L04 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: —

Temp Observed: 2.9 °C Corrected: 2.9 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: KB Date: 1/5/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: KB Date: 1/5/22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: KB Date: 1/5/22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-131934-1

Login Number: 131934
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132006-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/13/2022 1:25:15 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-132006-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132006-1

Receipt
The samples were received on 1/6/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.7º C, 1.8º C and 2.8º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was outside criteria for the following samples: SSHS-IRM5A2-A2-A32B (180-132006-2) and SSHS-IRM5A2-A2-A34A (180-132006-7). Sample SSHS-IRM5A2-A2-A32B (180-132006-2) also had the recovery of surrogates 4-Bromofluorobenzene and Toluene-d8 outside of the control limits. The samples were re-analyzed and had all internal standard responses within criteria, but had all surrogate recoveries above the control limits. Results of both analyses were reported for each sample.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-384498 recovered above the control limits for the following analyte: N-Propylbenzene. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported. The LCSD also had the recovery of surrogate 1,2-Dichloroethane-d4 slightly below the control limits.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-384632 was above the control limits for the following analytes: 2-Butanone and Acetone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-384498 was below criteria for the following analytes: 1,2-Dichloroethane, 1,2-Dichloroethane-d4 (surrogate), 1,4-Dioxane, Acetone, and Methyl tert-butyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-384632 was below criteria for the following analytes: 1,2-Dichloroethane, 1,2-Dichloroethane-d4 (surrogate), 1,4-Dioxane, and Methyl tert-butyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 3541: Samples SSHS-IRM5A2-A2-A32C (180-132006-3) and its matrix spikes, SSHS-IRM5A2-A2-A33C (180-132006-6), SSHS-IRM5A2-A2-A34C (180-132006-9), and SSHS-IRM5A2-A2-A35C (180-132006-12) were inadvertently extracted using 30 gram aliquots instead of the routine 15 gram aliquots. The reporting limits were adjusted accordingly.

Method 8270D LL: The following sample was diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A32C (180-132006-3) and its matrix spikes. The surrogates were diluted out.

Method 8270D LL: The following sample was diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A33C (180-132006-6). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A32C (180-132006-3) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample (LCS) were within the control limits. The spikes recoveries were likely impacted by the sample dilution.

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-384810 was above criteria for the following analyte: Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-132006-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

GC Semi VOA

Method 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A33C (180-132006-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132006-1	SSHS-IRM5A2-A2-A32A	Solid	01/05/22 12:00	01/06/22 10:00
180-132006-2	SSHS-IRM5A2-A2-A32B	Solid	01/05/22 12:00	01/06/22 10:00
180-132006-3	SSHS-IRM5A2-A2-A32C	Solid	01/05/22 12:00	01/06/22 10:00
180-132006-4	SSHS-IRM5A2-A2-A33A	Solid	01/05/22 14:30	01/06/22 10:00
180-132006-5	SSHS-IRM5A2-A2-A33B	Solid	01/05/22 14:30	01/06/22 10:00
180-132006-6	SSHS-IRM5A2-A2-A33C	Solid	01/05/22 14:30	01/06/22 10:00
180-132006-7	SSHS-IRM5A2-A2-A34A	Solid	01/05/22 14:50	01/06/22 10:00
180-132006-8	SSHS-IRM5A2-A2-A34B	Solid	01/05/22 14:50	01/06/22 10:00
180-132006-9	SSHS-IRM5A2-A2-A34C	Solid	01/05/22 14:50	01/06/22 10:00
180-132006-10	SSHS-IRM5A2-A2-A35A	Solid	01/05/22 15:10	01/06/22 10:00
180-132006-11	SSHS-IRM5A2-A2-A35B	Solid	01/05/22 15:10	01/06/22 10:00
180-132006-12	SSHS-IRM5A2-A2-A35C	Solid	01/05/22 15:10	01/06/22 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A32A — Lab Sample ID: 180-132006-1
Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A32A — Lab Sample ID: 180-132006-1
Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0416 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 17:59	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A32B — Lab Sample ID: 180-132006-2
Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A32B — Lab Sample ID: 180-132006-2
Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 85.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5526 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 18:22	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		5.4725 g	5 mL	384680	01/10/22 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	384632	01/10/22 14:12	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A32C — Lab Sample ID: 180-132006-3
Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A32C
Lab Sample ID: 180-132006-3

Date Collected: 01/05/22 12:00
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			30.4 g	0.5 mL	384532	01/07/22 10:02	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		30	1 mL	1 mL	384810	01/11/22 16:01	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 16:27	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.93 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:33	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.63 g	100 mL	384619	01/10/22 06:09	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384802	01/11/22 08:03	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:52	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:44	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A33A
Lab Sample ID: 180-132006-4

Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A33A
Lab Sample ID: 180-132006-4

Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7984 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 18:45	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A33B
Lab Sample ID: 180-132006-5

Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A33B — Lab Sample ID: 180-132006-5

Date Collected: 01/05/22 14:30 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 90.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9688 g	5 mL	384680	01/10/22 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384632	01/10/22 17:20	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A33C — Lab Sample ID: 180-132006-6

Date Collected: 01/05/22 14:30 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A33C — Lab Sample ID: 180-132006-6

Date Collected: 01/05/22 14:30 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 88.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			30.0 g	0.5 mL	384532	01/07/22 10:02	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	384810	01/11/22 17:07	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		10			384620	01/10/22 08:54	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.69 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:37	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	384619	01/10/22 06:09	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384802	01/11/22 08:04	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:53	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:49	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A34A — Lab Sample ID: 180-132006-7

Date Collected: 01/05/22 14:50 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A34A — Lab Sample ID: 180-132006-7

Date Collected: 01/05/22 14:50 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 87.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0084 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 19:32	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		4.8884 g	5 mL	384680	01/10/22 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	384632	01/10/22 14:35	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A34B — Lab Sample ID: 180-132006-8

Date Collected: 01/05/22 14:50 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A34B — Lab Sample ID: 180-132006-8

Date Collected: 01/05/22 14:50 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 87.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5885 g	5 mL	384680	01/10/22 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384632	01/10/22 18:06	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A34C — Lab Sample ID: 180-132006-9

Date Collected: 01/05/22 14:50 — **Matrix: Solid**
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A34C — Lab Sample ID: 180-132006-9

Date Collected: 01/05/22 14:50 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 88.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			30.1 g	0.5 mL	384532	01/07/22 10:02	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384810	01/11/22 17:29	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 17:05	JMO	TAL PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-IRM5A2-A2-A34C

Lab Sample ID: 180-132006-9
Date Collected: 01/05/22 14:50
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.85 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:42	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	384619	01/10/22 06:09	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384802	01/11/22 08:05	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:54	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:51	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A35A

Lab Sample ID: 180-132006-10
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384524	01/07/22 09:17	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A35A

Lab Sample ID: 180-132006-10
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2055 g	5 mL	384680	01/10/22 07:16	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384632	01/10/22 18:29	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A35B

Lab Sample ID: 180-132006-11
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384535	01/07/22 10:07	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A35B

Lab Sample ID: 180-132006-11
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6152 g	5 mL	384574	01/07/22 06:59	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	384498	01/07/22 20:41	PJJ	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A35C
Lab Sample ID: 180-132006-12
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384535	01/07/22 10:07	SMW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A35C
Lab Sample ID: 180-132006-12
Date Collected: 01/05/22 15:10
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			30.4 g	0.5 mL	384532	01/07/22 10:02	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384810	01/11/22 17:51	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	384428	01/07/22 10:00	AMK	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	384610	01/09/22 10:36	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	384611	01/09/22 10:38	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			384613	01/09/22 17:24	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.54 g	100 mL	384457	01/06/22 13:03	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			384615	01/07/22 11:56	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	384619	01/10/22 06:09	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384802	01/11/22 08:06	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.45 g	100 mL	384518	01/07/22 08:43	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	384601	01/08/22 10:55	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	6 mL	384550	01/07/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			384679	01/07/22 15:52	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
- Batch Type: Prep
  - AMK = Alexah Kaib
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RGM = Rebecca Manns
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JMO = John Oravec
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
  - SMW = Shelby Walters
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A32A
Lab Sample ID: 180-132006-1
Date Collected: 01/05/22 12:00 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 85.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
N-Propylbenzene	ND	*+	0.0058	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	01/07/22 06:59	01/07/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*01/07/22 06:59*	*01/07/22 17:59*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*01/07/22 06:59*	*01/07/22 17:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*01/07/22 06:59*	*01/07/22 17:59*	*1*
Toluene-d8 (Surr)	*117*		*67 - 134*	*01/07/22 06:59*	*01/07/22 17:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.6**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**85.4**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A32B
Lab Sample ID: 180-132006-2
Date Collected: 01/05/22 12:00 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 85.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1

Client Sample ID: SSHS-IRM5A2-A2-A32B **Lab Sample ID: 180-132006-2**
Date Collected: 01/05/22 12:00 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 85.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,2-Dichlorobenzene	ND	*3	0.0053	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,3-Dichlorobenzene	ND	*3	0.0053	0.0032	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,4-Dichlorobenzene	ND	*3	0.0053	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
n-Butylbenzene	ND	*3	0.0053	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
N-Propylbenzene	ND	*+ *3	0.0053	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
sec-Butylbenzene	ND	*3	0.0053	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
tert-Butylbenzene	ND	*3	0.0053	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Trichloroethene	**0.012**		0.0053	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,2,4-Trimethylbenzene	ND	*3	0.0053	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
1,3,5-Trimethylbenzene	ND	*3	0.0053	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/07/22 06:59	01/07/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*58*	*S1-*	*60 - 124*	*01/07/22 06:59*	*01/07/22 18:22*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*01/07/22 06:59*	*01/07/22 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*01/07/22 06:59*	*01/07/22 18:22*	*1*
Toluene-d8 (Surr)	*145*	*S1+*	*67 - 134*	*01/07/22 06:59*	*01/07/22 18:22*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0042	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
2-Butanone (MEK)	ND	*1	0.0053	0.0027	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1

Client Sample ID: SSHS-IRM5A2-A2-A32B — Lab Sample ID: 180-132006-2

Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 85.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	01/10/22 07:16	01/10/22 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*60 - 124*	*01/10/22 07:16*	*01/10/22 14:12*	*1*
Dibromofluoromethane (Surr)	*173*	*S1+*	*69 - 126*	*01/10/22 07:16*	*01/10/22 14:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*150*	*S1+*	*73 - 135*	*01/10/22 07:16*	*01/10/22 14:12*	*1*
Toluene-d8 (Surr)	*189*	*S1+*	*67 - 134*	*01/10/22 07:16*	*01/10/22 14:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**85.7**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A32C — Lab Sample ID: 180-132006-3

Date Collected: 01/05/22 12:00 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 84.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.19**		0.12	0.033	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Acenaphthylene	**0.20**		0.12	0.025	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Anthracene	**0.52**	**F1**	0.12	0.030	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Benzo[a]anthracene	**1.2**	**F1**	0.12	0.052	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Benzo[a]pyrene	**1.1**	**F1 F2**	0.12	0.050	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Benzo[b]fluoranthene	**1.2**	**F1**	0.12	0.029	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Benzo[g,h,i]perylene	**0.69**	**F1**	0.12	0.025	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Benzo[k]fluoranthene	**0.48**	**F1 F2**	0.12	0.035	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Chrysene	**1.1**	**F1**	0.12	0.065	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Dibenz(a,h)anthracene	**0.22**		0.12	0.074	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Dibenzofuran	ND	F1	0.58	0.21	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
2,4-Dinitrotoluene	ND	F1	0.58	0.35	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
1,4-Dioxane	ND	F1	1.2	0.18	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Fluoranthene	**1.9**		0.12	0.031	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Fluorene	**0.18**	**F1 F2**	0.12	0.023	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-1

Client Sample ID: SSHS-IRM5A2-A2-A32C
Date Collected: 01/05/22 12:00
Date Received: 01/06/22 10:00

Lab Sample ID: 180-132006-3
Matrix: Solid
Percent Solids: 84.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.12	0.042	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Hexachlorobutadiene	ND		0.12	0.034	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Hexachloroethane	ND		0.58	0.21	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Indeno[1,2,3-cd]pyrene	**0.64**	**F1 F2**	0.12	0.058	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
2-Methylphenol	ND		0.58	0.17	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Methylphenol, 3 & 4	ND		0.58	0.17	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Naphthalene	**0.14**		0.12	0.023	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Nitrobenzene	ND		1.2	0.21	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Pentachlorophenol	ND		3.0	0.93	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Phenanthrene	**1.4**	**F1**	0.12	0.031	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Phenol	ND		0.58	0.18	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Pyrene	**1.9**		0.12	0.028	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
Pyridine	ND	F1	1.2	0.31	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
2,4,5-Trichlorophenol	ND		0.58	0.20	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30
2,4,6-Trichlorophenol	ND		0.58	0.19	mg/Kg	☼	01/07/22 10:02	01/11/22 16:01	30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*S1-*	*35 - 105*	*01/07/22 10:02*	*01/11/22 16:01*	*30*
2-Fluorophenol (Surr)	*0*	*S1-*	*32 - 105*	*01/07/22 10:02*	*01/11/22 16:01*	*30*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*34 - 109*	*01/07/22 10:02*	*01/11/22 16:01*	*30*
Phenol-d5 (Surr)	*0*	*S1-*	*34 - 105*	*01/07/22 10:02*	*01/11/22 16:01*	*30*
Terphenyl-d14 (Surr)	*0*	*S1-*	*20 - 117*	*01/07/22 10:02*	*01/11/22 16:01*	*30*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*20 - 119*	*01/07/22 10:02*	*01/11/22 16:01*	*30*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1221	ND		0.019	0.0069	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1248	**5.1**		0.019	0.0046	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1254	**2.1**		0.019	0.0058	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	01/07/22 10:00	01/09/22 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*01/07/22 10:00*	*01/09/22 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*01/07/22 10:00*	*01/09/22 16:27*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*01/07/22 10:00*	*01/09/22 16:27*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*01/07/22 10:00*	*01/09/22 16:27*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.6**		0.61	0.38	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Barium	**76**		12	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Beryllium	**0.39**		0.24	0.067	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Cadmium	**0.14**	**J**	0.31	0.045	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Chromium	**17**		0.31	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Copper	**99**		1.5	0.92	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1

Client Sample ID: SSHS-IRM5A2-A2-A32C
Lab Sample ID: 180-132006-3
Date Collected: 01/05/22 12:00 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 84.9**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**37**		0.61	0.53	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Manganese	**330**		0.92	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Nickel	**21**		2.4	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Selenium	**0.43**	**J**	0.61	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Silver	ND		0.31	0.063	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1
Zinc	**93**		1.2	0.73	mg/Kg	☼	01/06/22 13:03	01/07/22 11:33	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**		0.037	0.024	mg/Kg	☼	01/10/22 06:09	01/11/22 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.1**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**84.9**		0.1	0.1	%			01/07/22 09:17	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	01/07/22 08:43	01/08/22 10:52	1
Cyanide, Total	**0.25**	**J**	0.27	0.21	mg/Kg	☼	01/07/22 12:30	01/07/22 15:44	1

Client Sample ID: SSHS-IRM5A2-A2-A33A
Lab Sample ID: 180-132006-4
Date Collected: 01/05/22 14:30 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 87.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0038	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,2-Dichlorobenzene	ND		0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,4-Dioxane	ND		0.98	0.035	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
N-Propylbenzene	ND	*+	0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Trichloroethene	**0.0019**	**J**	0.0049	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-1

Client Sample ID: SSHS-IRM5A2-A2-A33A

Lab Sample ID: 180-132006-4
Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 87.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1
Xylenes, Total	ND		0.0098	0.0071	mg/Kg	☼	01/07/22 06:59	01/07/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*01/07/22 06:59*	*01/07/22 18:45*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*01/07/22 06:59*	*01/07/22 18:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*01/07/22 06:59*	*01/07/22 18:45*	*1*
Toluene-d8 (Surr)	*130*		*67 - 134*	*01/07/22 06:59*	*01/07/22 18:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.3**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**87.7**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A33B

Lab Sample ID: 180-132006-5
Date Collected: 01/05/22 14:30
Matrix: Solid
Date Received: 01/06/22 10:00
Percent Solids: 90.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.019	0.0036	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Benzene	ND		0.0046	0.0013	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
2-Butanone (MEK)	ND	*1	0.0046	0.0024	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Carbon tetrachloride	ND		0.0046	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Chlorobenzene	ND		0.0046	0.0012	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Chloroform	ND		0.0046	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
cis-1,2-Dichloroethene	ND		0.0046	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,2-Dichlorobenzene	ND		0.0046	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,3-Dichlorobenzene	ND		0.0046	0.0029	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,4-Dichlorobenzene	ND		0.0046	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,1-Dichloroethane	ND		0.0046	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,2-Dichloroethane	ND		0.0046	0.0013	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,1-Dichloroethene	ND		0.0046	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,4-Dioxane	ND		0.93	0.033	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Ethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Methylene Chloride	ND		0.0046	0.0042	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Methyl tert-butyl ether	ND		0.0046	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
n-Butylbenzene	ND		0.0046	0.0023	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
N-Propylbenzene	ND		0.0046	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
sec-Butylbenzene	ND		0.0046	0.0023	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
tert-Butylbenzene	ND		0.0046	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Tetrachloroethene	ND		0.0046	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Toluene	ND		0.0046	0.0013	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
trans-1,2-Dichloroethene	ND		0.0046	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,1,1-Trichloroethane	ND		0.0046	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Trichloroethene	ND		0.0046	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,2,4-Trimethylbenzene	ND		0.0046	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
1,3,5-Trimethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1

Client Sample ID: SSHS-IRM5A2-A2-A33B — Lab Sample ID: 180-132006-5

Date Collected: 01/05/22 14:30 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 90.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0046	0.0033	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1
Xylenes, Total	ND		0.0093	0.0067	mg/Kg	☼	01/10/22 07:16	01/10/22 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/10/22 07:16*	*01/10/22 17:20*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*01/10/22 07:16*	*01/10/22 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*01/10/22 07:16*	*01/10/22 17:20*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*01/10/22 07:16*	*01/10/22 17:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**90.2**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A33C — Lab Sample ID: 180-132006-6

Date Collected: 01/05/22 14:30 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 88.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.033**		0.019	0.0055	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Acenaphthylene	**0.080**		0.019	0.0041	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Anthracene	**0.11**		0.019	0.0049	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Benzo[a]anthracene	**0.26**		0.019	0.0086	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Benzo[a]pyrene	**0.24**		0.019	0.0082	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Benzo[b]fluoranthene	**0.26**		0.019	0.0047	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Benzo[g,h,i]perylene	**0.17**		0.019	0.0041	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Benzo[k]fluoranthene	**0.12**		0.019	0.0057	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Chrysene	**0.28**		0.019	0.011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Dibenz(a,h)anthracene	**0.048**		0.019	0.012	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Dibenzofuran	ND		0.094	0.035	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
2,4-Dinitrotoluene	ND		0.094	0.057	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
1,4-Dioxane	ND		0.19	0.030	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Fluoranthene	**0.44**		0.019	0.0050	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Fluorene	**0.034**		0.019	0.0037	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Hexachlorobenzene	ND		0.019	0.0068	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Hexachlorobutadiene	ND		0.019	0.0055	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Hexachloroethane	ND		0.094	0.034	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Indeno[1,2,3-cd]pyrene	**0.16**		0.019	0.0094	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
2-Methylphenol	ND		0.094	0.027	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Methylphenol, 3 & 4	ND		0.094	0.028	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Naphthalene	**0.037**		0.019	0.0037	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Nitrobenzene	ND		0.19	0.035	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Pentachlorophenol	ND		0.48	0.15	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Phenanthrene	**0.29**		0.019	0.0051	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Phenol	ND		0.094	0.029	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Pyrene	**0.43**		0.019	0.0045	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
Pyridine	ND		0.19	0.051	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
2,4,5-Trichlorophenol	ND		0.094	0.033	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5
2,4,6-Trichlorophenol	ND		0.094	0.032	mg/Kg	☼	01/07/22 10:02	01/11/22 17:07	5

Client Sample ID: SSHS-IRM5A2-A2-A33C
Date Collected: 01/05/22 14:30
Date Received: 01/06/22 10:00

Lab Sample ID: 180-132006-6
Matrix: Solid
Percent Solids: 88.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		35 - 105	01/07/22 10:02	01/11/22 17:07	5
2-Fluorophenol (Surr)	77		32 - 105	01/07/22 10:02	01/11/22 17:07	5
Nitrobenzene-d5 (Surr)	80		34 - 109	01/07/22 10:02	01/11/22 17:07	5
Phenol-d5 (Surr)	82		34 - 105	01/07/22 10:02	01/11/22 17:07	5
Terphenyl-d14 (Surr)	90		20 - 117	01/07/22 10:02	01/11/22 17:07	5
2,4,6-Tribromophenol (Surr)	84		20 - 119	01/07/22 10:02	01/11/22 17:07	5

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.062	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1221	ND		0.19	0.067	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1232	ND		0.19	0.046	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1242	ND		0.19	0.028	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1248	**7.5**		0.19	0.045	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1254	**3.0**		0.19	0.057	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1260	ND		0.19	0.054	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1262	ND		0.19	0.067	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10
PCB-1268	ND		0.19	0.025	mg/Kg	☼	01/07/22 10:00	01/10/22 08:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	129		63 - 138	01/07/22 10:00	01/10/22 08:54	10
DCB Decachlorobiphenyl (Surr)	106		63 - 138	01/07/22 10:00	01/10/22 08:54	10
Tetrachloro-m-xylene (Surr)	110		55 - 135	01/07/22 10:00	01/10/22 08:54	10
Tetrachloro-m-xylene (Surr)	117		55 - 135	01/07/22 10:00	01/10/22 08:54	10

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		0.67	0.42	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Barium	**66**		13	2.4	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Beryllium	**0.36**		0.27	0.073	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Cadmium	**0.13**	**J**	0.34	0.049	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Chromium	**15**		0.34	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Copper	**78**		1.7	1.0	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Lead	**34**		0.67	0.59	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Manganese	**410**		1.0	0.19	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Nickel	**26**		2.7	0.34	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Selenium	**0.47**	**J**	0.67	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Silver	ND		0.34	0.070	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1
Zinc	**82**		1.3	0.80	mg/Kg	☼	01/06/22 13:03	01/07/22 11:37	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.090**		0.032	0.021	mg/Kg	☼	01/10/22 06:09	01/11/22 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.0**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**88.0**		0.1	0.1	%			01/07/22 09:17	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	01/07/22 08:43	01/08/22 10:53	1
Cyanide, Total	**0.64**		0.25	0.19	mg/Kg	☼	01/07/22 12:30	01/07/22 15:49	1

Client Sample ID: SSHS-IRM5A2-A2-A34A
Lab Sample ID: 180-132006-7

Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 87.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,2-Dichlorobenzene	ND	*3	0.0057	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,3-Dichlorobenzene	ND	*3	0.0057	0.0035	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,4-Dichlorobenzene	ND	*3	0.0057	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
n-Butylbenzene	ND	*3	0.0057	0.0028	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
N-Propylbenzene	ND	*+ *3	0.0057	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
sec-Butylbenzene	ND	*3	0.0057	0.0028	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
tert-Butylbenzene	ND	*3	0.0057	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,2,4-Trimethylbenzene	ND	*3	0.0057	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
1,3,5-Trimethylbenzene	ND	*3	0.0057	0.0021	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	01/07/22 06:59	01/07/22 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*01/07/22 06:59*	*01/07/22 19:32*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*01/07/22 06:59*	*01/07/22 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*01/07/22 06:59*	*01/07/22 19:32*	*1*
Toluene-d8 (Surr)	*126*		*67 - 134*	*01/07/22 06:59*	*01/07/22 19:32*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0063**	**J *1**	0.023	0.0045	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
2-Butanone (MEK)	ND	*1	0.0058	0.0030	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1

Client Sample ID: SSHS-IRM5A2-A2-A34A
Lab Sample ID: 180-132006-7
Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 87.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Ethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
tert-Butylbenzene	ND		0.0058	0.0025	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	01/10/22 07:16	01/10/22 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*60 - 124*	*01/10/22 07:16*	*01/10/22 14:35*	*1*
Dibromofluoromethane (Surr)	*174*	*S1+*	*69 - 126*	*01/10/22 07:16*	*01/10/22 14:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*152*	*S1+*	*73 - 135*	*01/10/22 07:16*	*01/10/22 14:35*	*1*
Toluene-d8 (Surr)	*189*	*S1+*	*67 - 134*	*01/10/22 07:16*	*01/10/22 14:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.1**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**87.9**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A34B
Lab Sample ID: 180-132006-8
Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 87.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.017	0.0034	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Benzene	ND		0.0043	0.0012	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
2-Butanone (MEK)	ND	*1	0.0043	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Carbon tetrachloride	ND		0.0043	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Chlorobenzene	ND		0.0043	0.0011	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Chloroform	ND		0.0043	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,2-Dichlorobenzene	ND		0.0043	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,3-Dichlorobenzene	ND		0.0043	0.0027	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,4-Dichlorobenzene	ND		0.0043	0.0013	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,1-Dichloroethane	ND		0.0043	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,2-Dichloroethane	ND		0.0043	0.0012	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,1-Dichloroethene	ND		0.0043	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1

Client Sample ID: SSHS-IRM5A2-A2-A34B
Lab Sample ID: 180-132006-8
Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 87.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.86	0.031	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Ethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Methylene Chloride	ND		0.0043	0.0039	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Methyl tert-butyl ether	ND		0.0043	0.0013	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
n-Butylbenzene	ND		0.0043	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
sec-Butylbenzene	ND		0.0043	0.0021	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
tert-Butylbenzene	ND		0.0043	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Tetrachloroethene	ND		0.0043	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Toluene	ND		0.0043	0.0012	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
trans-1,2-Dichloroethene	ND		0.0043	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,1,1-Trichloroethane	ND		0.0043	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Trichloroethene	ND		0.0043	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Vinyl chloride	ND		0.0043	0.0031	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1
Xylenes, Total	ND		0.0086	0.0062	mg/Kg	☼	01/10/22 07:16	01/10/22 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*01/10/22 07:16*	*01/10/22 18:06*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*01/10/22 07:16*	*01/10/22 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*01/10/22 07:16*	*01/10/22 18:06*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*01/10/22 07:16*	*01/10/22 18:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.1**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**87.9**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A34C
Lab Sample ID: 180-132006-9
Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 88.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0038	0.0011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Acenaphthylene	**0.0020**	**J**	0.0038	0.00082	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Anthracene	**0.0013**	**J**	0.0038	0.00097	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Benzo[a]anthracene	**0.0044**		0.0038	0.0017	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Benzo[a]pyrene	**0.0039**		0.0038	0.0016	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Benzo[b]fluoranthene	**0.0055**		0.0038	0.00092	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Benzo[g,h,i]perylene	**0.0037**	**J**	0.0038	0.00081	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Benzo[k]fluoranthene	**0.0014**	**J**	0.0038	0.0011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Chrysene	**0.0054**		0.0038	0.0021	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Dibenz(a,h)anthracene	ND		0.0038	0.0024	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Dibenzofuran	ND		0.019	0.0069	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
2,4-Dinitrotoluene	ND		0.019	0.011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
1,4-Dioxane	ND		0.037	0.0058	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Fluoranthene	**0.0051**		0.0038	0.00099	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Fluorene	ND		0.0038	0.00073	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1

Client Sample ID: SSHS-IRM5A2-A2-A34C **Lab Sample ID: 180-132006-9**
Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 88.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.0038	0.0013	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Hexachlorobutadiene	ND		0.0038	0.0011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Hexachloroethane	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Indeno[1,2,3-cd]pyrene	**0.0036**	**J**	0.0038	0.0019	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
2-Methylphenol	ND		0.019	0.0054	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Methylphenol, 3 & 4	ND		0.019	0.0055	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Naphthalene	**0.00093**	**J**	0.0038	0.00073	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Nitrobenzene	ND		0.037	0.0068	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Pentachlorophenol	ND		0.095	0.030	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Phenanthrene	**0.0045**		0.0038	0.0010	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Phenol	ND		0.019	0.0057	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Pyrene	**0.0067**		0.0038	0.00089	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
Pyridine	ND		0.038	0.010	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
2,4,5-Trichlorophenol	ND		0.019	0.0065	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1
2,4,6-Trichlorophenol	ND		0.019	0.0062	mg/Kg	☼	01/07/22 10:02	01/11/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*01/07/22 10:02*	*01/11/22 17:29*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*01/07/22 10:02*	*01/11/22 17:29*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/07/22 10:02*	*01/11/22 17:29*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*01/07/22 10:02*	*01/11/22 17:29*	*1*
Terphenyl-d14 (Surr)	*88*		*20 - 117*	*01/07/22 10:02*	*01/11/22 17:29*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*20 - 119*	*01/07/22 10:02*	*01/11/22 17:29*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1248	**0.011**	**J**	0.018	0.0044	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1254	ND		0.018	0.0055	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*126*		*63 - 138*	*01/07/22 10:00*	*01/09/22 17:05*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*01/07/22 10:00*	*01/09/22 17:05*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*01/07/22 10:00*	*01/09/22 17:05*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*01/07/22 10:00*	*01/09/22 17:05*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		0.61	0.38	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Barium	**41**		12	2.2	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Beryllium	**0.32**		0.24	0.066	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Cadmium	ND		0.30	0.045	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Chromium	**8.4**		0.30	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Copper	**15**		1.5	0.92	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1

Client Sample ID: SSHS-IRM5A2-A2-A34C
Lab Sample ID: 180-132006-9
Date Collected: 01/05/22 14:50 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 88.9**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.5**		0.61	0.53	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Manganese	**260**		0.91	0.17	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Nickel	**13**		2.4	0.31	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Selenium	**0.33**	**J**	0.61	0.28	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Silver	ND		0.30	0.063	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1
Zinc	**39**		1.2	0.72	mg/Kg	☼	01/06/22 13:03	01/07/22 11:42	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.033	0.021	mg/Kg	☼	01/10/22 06:09	01/11/22 08:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**88.9**		0.1	0.1	%			01/07/22 09:17	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/07/22 08:43	01/08/22 10:54	1
Cyanide, Total	ND		0.32	0.24	mg/Kg	☼	01/07/22 12:30	01/07/22 15:51	1

Client Sample ID: SSHS-IRM5A2-A2-A35A
Lab Sample ID: 180-132006-10
Date Collected: 01/05/22 15:10 **Matrix: Solid**
Date Received: 01/06/22 10:00 **Percent Solids: 89.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.022	0.0042	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
2-Butanone (MEK)	ND	*1	0.0054	0.0027	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1

Client Sample ID: SSHS-IRM5A2-A2-A35A — Lab Sample ID: 180-132006-10

Date Collected: 01/05/22 15:10 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 89.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/10/22 07:16	01/10/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*01/10/22 07:16*	*01/10/22 18:29*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*01/10/22 07:16*	*01/10/22 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*01/10/22 07:16*	*01/10/22 18:29*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*01/10/22 07:16*	*01/10/22 18:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.8**		0.1	0.1	%			01/07/22 09:17	1
Percent Solids	**89.2**		0.1	0.1	%			01/07/22 09:17	1

Client Sample ID: SSHS-IRM5A2-A2-A35B — Lab Sample ID: 180-132006-11

Date Collected: 01/05/22 15:10 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 91.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
N-Propylbenzene	ND	*+	0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
tert-Butylbenzene	ND		0.0049	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1

Client Sample ID: SSHS-IRM5A2-A2-A35B — Lab Sample ID: 180-132006-11

Date Collected: 01/05/22 15:10 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 91.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	01/07/22 06:59	01/07/22 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*01/07/22 06:59*	*01/07/22 20:41*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*01/07/22 06:59*	*01/07/22 20:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*	*01/07/22 06:59*	*01/07/22 20:41*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*01/07/22 06:59*	*01/07/22 20:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		0.1	0.1	%			01/07/22 10:07	1
Percent Solids	**91.7**		0.1	0.1	%			01/07/22 10:07	1

Client Sample ID: SSHS-IRM5A2-A2-A35C — Lab Sample ID: 180-132006-12

Date Collected: 01/05/22 15:10 — **Matrix: Solid**
Date Received: 01/06/22 10:00 — **Percent Solids: 88.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0037	0.0011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Acenaphthylene	**0.0013**	**J**	0.0037	0.00081	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Anthracene	**0.0013**	**J**	0.0037	0.00096	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Benzo[a]anthracene	**0.0039**		0.0037	0.0017	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Benzo[a]pyrene	**0.0034**	**J**	0.0037	0.0016	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Benzo[b]fluoranthene	**0.0046**		0.0037	0.00091	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Benzo[g,h,i]perylene	**0.0029**	**J**	0.0037	0.00080	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Benzo[k]fluoranthene	**0.0013**	**J**	0.0037	0.0011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Chrysene	**0.0042**		0.0037	0.0021	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Dibenz(a,h)anthracene	ND		0.0037	0.0024	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Dibenzofuran	ND		0.018	0.0068	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
2,4-Dinitrotoluene	ND		0.018	0.011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
1,4-Dioxane	ND		0.037	0.0058	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Fluoranthene	**0.0056**		0.0037	0.00098	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Fluorene	ND		0.0037	0.00073	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Hexachlorobenzene	ND		0.0037	0.0013	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Hexachlorobutadiene	ND		0.0037	0.0011	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Hexachloroethane	ND		0.018	0.0066	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Indeno[1,2,3-cd]pyrene	**0.0025**	**J**	0.0037	0.0018	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
2-Methylphenol	ND		0.018	0.0053	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Methylphenol, 3 & 4	ND		0.018	0.0055	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Naphthalene	ND		0.0037	0.00072	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Nitrobenzene	ND		0.037	0.0068	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Pentachlorophenol	ND		0.095	0.030	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Phenanthrene	**0.0043**		0.0037	0.0010	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Phenol	ND		0.018	0.0056	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Pyrene	**0.0062**		0.0037	0.00088	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
Pyridine	ND		0.037	0.010	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
2,4,5-Trichlorophenol	ND		0.018	0.0065	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1
2,4,6-Trichlorophenol	ND		0.018	0.0062	mg/Kg	☼	01/07/22 10:02	01/11/22 17:51	1

Client Sample ID: SSHS-IRM5A2-A2-A35C
Date Collected: 01/05/22 15:10
Date Received: 01/06/22 10:00

Lab Sample ID: 180-132006-12
Matrix: Solid
Percent Solids: 88.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		35 - 105	01/07/22 10:02	01/11/22 17:51	1
2-Fluorophenol (Surr)	77		32 - 105	01/07/22 10:02	01/11/22 17:51	1
Nitrobenzene-d5 (Surr)	81		34 - 109	01/07/22 10:02	01/11/22 17:51	1
Phenol-d5 (Surr)	80		34 - 105	01/07/22 10:02	01/11/22 17:51	1
Terphenyl-d14 (Surr)	95		20 - 117	01/07/22 10:02	01/11/22 17:51	1
2,4,6-Tribromophenol (Surr)	81		20 - 119	01/07/22 10:02	01/11/22 17:51	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1248	**0.013**	**J**	0.019	0.0045	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1254	ND		0.019	0.0056	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	01/07/22 10:00	01/09/22 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	103		63 - 138	01/07/22 10:00	01/09/22 17:24	1
DCB Decachlorobiphenyl (Surr)	96		63 - 138	01/07/22 10:00	01/09/22 17:24	1
Tetrachloro-m-xylene (Surr)	106		55 - 135	01/07/22 10:00	01/09/22 17:24	1
Tetrachloro-m-xylene (Surr)	106		55 - 135	01/07/22 10:00	01/09/22 17:24	1

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.1**		0.73	0.46	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Barium	**38**		15	2.6	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Beryllium	**0.31**		0.29	0.080	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Cadmium	ND		0.37	0.054	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Chromium	**8.3**		0.37	0.33	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Copper	**17**		1.8	1.1	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Lead	**8.1**		0.73	0.64	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Manganese	**380**		1.1	0.20	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Nickel	**14**		2.9	0.37	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Selenium	ND		0.73	0.34	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Silver	ND		0.37	0.076	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1
Zinc	**43**		1.5	0.87	mg/Kg	☼	01/06/22 13:03	01/07/22 11:56	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.065**		0.030	0.019	mg/Kg	☼	01/10/22 06:09	01/11/22 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		0.1	0.1	%			01/07/22 10:07	1
Percent Solids	**88.6**		0.1	0.1	%			01/07/22 10:07	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	01/07/22 08:43	01/08/22 10:55	1
Cyanide, Total	ND		0.28	0.21	mg/Kg	☼	01/07/22 12:30	01/07/22 15:52	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-384498/11
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/07/22 13:20	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/07/22 13:20	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/07/22 13:20	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/07/22 13:20	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/07/22 13:20	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/07/22 13:20	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/07/22 13:20	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/07/22 13:20	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/07/22 13:20	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/07/22 13:20	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/07/22 13:20	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/07/22 13:20	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/07/22 13:20	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/07/22 13:20	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/07/22 13:20	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/07/22 13:20	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/07/22 13:20	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/07/22 13:20	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/07/22 13:20	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/07/22 13:20	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/07/22 13:20	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/07/22 13:20	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/07/22 13:20	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/07/22 13:20	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/07/22 13:20	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/07/22 13:20	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/07/22 13:20	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/07/22 13:20	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/07/22 13:20	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/07/22 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*01/07/22 13:20*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*		*01/07/22 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*		*01/07/22 13:20*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*		*01/07/22 13:20*	*1*

Lab Sample ID: LCS 180-384498/7
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0298		mg/Kg		74	23 - 170
Benzene	0.0400	0.0394		mg/Kg		98	77 - 120
2-Butanone (MEK)	0.0400	0.0333		mg/Kg		83	39 - 157
Carbon tetrachloride	0.0400	0.0424		mg/Kg		106	73 - 130
Chlorobenzene	0.0400	0.0405		mg/Kg		101	79 - 122
Chloroform	0.0400	0.0358		mg/Kg		90	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-384498/7
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0396		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0392		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0405		mg/Kg		101	79 - 120
1,1-Dichloroethane	0.0400	0.0386		mg/Kg		96	73 - 124
1,2-Dichloroethane	0.0400	0.0291		mg/Kg		73	64 - 140
1,1-Dichloroethene	0.0400	0.0428		mg/Kg		107	55 - 136
1,4-Dioxane	0.800	0.504	J	mg/Kg		63	18 - 166
Ethylbenzene	0.0400	0.0404		mg/Kg		101	79 - 119
Methylene Chloride	0.0400	0.0390		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0291		mg/Kg		73	58 - 132
n-Butylbenzene	0.0400	0.0447		mg/Kg		112	64 - 136
N-Propylbenzene	0.0400	0.0475		mg/Kg		119	71 - 127
sec-Butylbenzene	0.0400	0.0458		mg/Kg		114	65 - 130
tert-Butylbenzene	0.0400	0.0469		mg/Kg		117	69 - 133
Tetrachloroethene	0.0400	0.0408		mg/Kg		102	71 - 121
Toluene	0.0400	0.0406		mg/Kg		101	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0425		mg/Kg		106	75 - 122
1,1,1-Trichloroethane	0.0400	0.0431		mg/Kg		108	72 - 134
Trichloroethene	0.0400	0.0416		mg/Kg		104	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0444		mg/Kg		111	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0447		mg/Kg		112	69 - 131
Vinyl chloride	0.0400	0.0391		mg/Kg		98	64 - 134
Xylenes, Total	0.0800	0.0801		mg/Kg		100	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: LCSD 180-384498/8
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0276		mg/Kg		69	23 - 170	8	35
Benzene	0.0400	0.0400		mg/Kg		100	77 - 120	2	20
2-Butanone (MEK)	0.0400	0.0286		mg/Kg		72	39 - 157	15	33
Carbon tetrachloride	0.0400	0.0435		mg/Kg		109	73 - 130	3	21
Chlorobenzene	0.0400	0.0411		mg/Kg		103	79 - 122	1	20
Chloroform	0.0400	0.0364		mg/Kg		91	73 - 126	2	20
cis-1,2-Dichloroethene	0.0400	0.0406		mg/Kg		101	77 - 118	2	20
1,2-Dichlorobenzene	0.0400	0.0392		mg/Kg		98	76 - 120	0	20
1,3-Dichlorobenzene	0.0400	0.0445		mg/Kg		111	77 - 121	4	20
1,4-Dichlorobenzene	0.0400	0.0417		mg/Kg		104	79 - 120	3	20
1,1-Dichloroethane	0.0400	0.0400		mg/Kg		100	73 - 124	3	20
1,2-Dichloroethane	0.0400	0.0278		mg/Kg		70	64 - 140	4	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-384498/8
Matrix: Solid
Analysis Batch: 384498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0439		mg/Kg		110	55 - 136	3	21
1,4-Dioxane			0.800	0.421	J	mg/Kg		53	18 - 166	18	40
Ethylbenzene			0.0400	0.0418		mg/Kg		105	79 - 119	4	20
Methylene Chloride			0.0400	0.0374		mg/Kg		93	67 - 131	4	32
Methyl tert-butyl ether			0.0400	0.0265		mg/Kg		66	58 - 132	9	24
n-Butylbenzene			0.0400	0.0474		mg/Kg		119	64 - 136	6	21
N-Propylbenzene			0.0400	0.0519	*+	mg/Kg		130	71 - 127	9	20
sec-Butylbenzene			0.0400	0.0494		mg/Kg		124	65 - 130	8	20
tert-Butylbenzene			0.0400	0.0518		mg/Kg		129	69 - 133	10	23
Tetrachloroethene			0.0400	0.0432		mg/Kg		108	71 - 121	6	21
Toluene			0.0400	0.0426		mg/Kg		107	76 - 120	5	20
trans-1,2-Dichloroethene			0.0400	0.0441		mg/Kg		110	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0431		mg/Kg		108	72 - 134	0	20
Trichloroethene			0.0400	0.0429		mg/Kg		107	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0470		mg/Kg		117	74 - 127	6	20
1,3,5-Trimethylbenzene			0.0400	0.0483		mg/Kg		121	69 - 131	8	20
Vinyl chloride			0.0400	0.0404		mg/Kg		101	64 - 134	3	23
Xylenes, Total			0.0800	0.0817		mg/Kg		102	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*70*	*S1-*	*73 - 135*
Toluene-d8 (Surr)	*113*		*67 - 134*

Lab Sample ID: MB 180-384632/6
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/10/22 11:06	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/10/22 11:06	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/10/22 11:06	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/10/22 11:06	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/10/22 11:06	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/10/22 11:06	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/10/22 11:06	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/10/22 11:06	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/10/22 11:06	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/10/22 11:06	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/10/22 11:06	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/10/22 11:06	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/10/22 11:06	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/10/22 11:06	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/10/22 11:06	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/10/22 11:06	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/10/22 11:06	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/10/22 11:06	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-384632/6
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/10/22 11:06	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/10/22 11:06	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/10/22 11:06	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/10/22 11:06	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/10/22 11:06	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/10/22 11:06	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/10/22 11:06	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/10/22 11:06	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/10/22 11:06	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/10/22 11:06	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/10/22 11:06	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/10/22 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*		*01/10/22 11:06*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*		*01/10/22 11:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*		*01/10/22 11:06*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*		*01/10/22 11:06*	*1*

Lab Sample ID: LCS 180-384632/3
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0219		mg/Kg		55	23 - 170
Benzene	0.0400	0.0395		mg/Kg		99	77 - 120
2-Butanone (MEK)	0.0400	0.0280		mg/Kg		70	39 - 157
Carbon tetrachloride	0.0400	0.0419		mg/Kg		105	73 - 130
Chlorobenzene	0.0400	0.0396		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0391		mg/Kg		98	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0412		mg/Kg		103	77 - 118
1,2-Dichlorobenzene	0.0400	0.0391		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0431		mg/Kg		108	77 - 121
1,4-Dichlorobenzene	0.0400	0.0406		mg/Kg		102	79 - 120
1,1-Dichloroethane	0.0400	0.0391		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0288		mg/Kg		72	64 - 140
1,1-Dichloroethene	0.0400	0.0437		mg/Kg		109	55 - 136
1,4-Dioxane	0.800	0.464	J	mg/Kg		58	18 - 166
Ethylbenzene	0.0400	0.0393		mg/Kg		98	79 - 119
Methylene Chloride	0.0400	0.0390		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0286		mg/Kg		71	58 - 132
n-Butylbenzene	0.0400	0.0434		mg/Kg		108	64 - 136
N-Propylbenzene	0.0400	0.0470		mg/Kg		118	71 - 127
sec-Butylbenzene	0.0400	0.0448		mg/Kg		112	65 - 130
tert-Butylbenzene	0.0400	0.0474		mg/Kg		118	69 - 133
Tetrachloroethene	0.0400	0.0402		mg/Kg		100	71 - 121
Toluene	0.0400	0.0402		mg/Kg		100	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0429		mg/Kg		107	75 - 122

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-384632/3
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0400	0.0416		mg/Kg		104	72 - 134		
Trichloroethene			0.0400	0.0429		mg/Kg		107	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0438		mg/Kg		109	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0439		mg/Kg		110	69 - 131		
Vinyl chloride			0.0400	0.0399		mg/Kg		100	64 - 134		
Xylenes, Total			0.0800	0.0778		mg/Kg		97	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-384632/4
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0319	*1	mg/Kg		80	23 - 170	37	35
Benzene			0.0400	0.0387		mg/Kg		97	77 - 120	2	20
2-Butanone (MEK)			0.0400	0.0423	*1	mg/Kg		106	39 - 157	41	33
Carbon tetrachloride			0.0400	0.0406		mg/Kg		102	73 - 130	3	21
Chlorobenzene			0.0400	0.0386		mg/Kg		97	79 - 122	3	20
Chloroform			0.0400	0.0365		mg/Kg		91	73 - 126	7	20
cis-1,2-Dichloroethene			0.0400	0.0407		mg/Kg		102	77 - 118	1	20
1,2-Dichlorobenzene			0.0400	0.0398		mg/Kg		100	76 - 120	2	20
1,3-Dichlorobenzene			0.0400	0.0420		mg/Kg		105	77 - 121	2	20
1,4-Dichlorobenzene			0.0400	0.0403		mg/Kg		101	79 - 120	1	20
1,1-Dichloroethane			0.0400	0.0382		mg/Kg		95	73 - 124	2	20
1,2-Dichloroethane			0.0400	0.0317		mg/Kg		79	64 - 140	9	20
1,1-Dichloroethene			0.0400	0.0427		mg/Kg		107	55 - 136	2	21
1,4-Dioxane			0.800	0.575	J	mg/Kg		72	18 - 166	21	40
Ethylbenzene			0.0400	0.0376		mg/Kg		94	79 - 119	4	20
Methylene Chloride			0.0400	0.0407		mg/Kg		102	67 - 131	4	32
Methyl tert-butyl ether			0.0400	0.0330		mg/Kg		83	58 - 132	15	24
n-Butylbenzene			0.0400	0.0403		mg/Kg		101	64 - 136	7	21
N-Propylbenzene			0.0400	0.0450		mg/Kg		113	71 - 127	4	20
sec-Butylbenzene			0.0400	0.0425		mg/Kg		106	65 - 130	5	20
tert-Butylbenzene			0.0400	0.0448		mg/Kg		112	69 - 133	6	23
Tetrachloroethene			0.0400	0.0385		mg/Kg		96	71 - 121	4	21
Toluene			0.0400	0.0376		mg/Kg		94	76 - 120	6	20
trans-1,2-Dichloroethene			0.0400	0.0413		mg/Kg		103	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0400		mg/Kg		100	72 - 134	4	20
Trichloroethene			0.0400	0.0418		mg/Kg		105	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0424		mg/Kg		106	74 - 127	3	20
1,3,5-Trimethylbenzene			0.0400	0.0422		mg/Kg		106	69 - 131	4	20
Vinyl chloride			0.0400	0.0413		mg/Kg		103	64 - 134	4	23
Xylenes, Total			0.0800	0.0752		mg/Kg		94	78 - 118	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-384632/4
Matrix: Solid
Analysis Batch: 384632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-384532/1-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Anthracene	ND		0.0034	0.00087	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Chrysene	ND		0.0034	0.0019	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Fluorene	ND		0.0034	0.00066	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Phenol	ND		0.017	0.0051	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Pyrene	ND		0.0034	0.00079	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
Pyridine	ND		0.034	0.0090	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		01/07/22 10:02	01/11/22 10:56	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		01/07/22 10:02	01/11/22 10:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*77*		*35 - 105*	*01/07/22 10:02*	*01/11/22 10:56*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*01/07/22 10:02*	*01/11/22 10:56*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/07/22 10:02*	*01/11/22 10:56*	*1*
Phenol-d5 (Surr)	*77*		*34 - 105*	*01/07/22 10:02*	*01/11/22 10:56*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-384532/1-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384532

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*106*		*20 - 117*	*01/07/22 10:02*	*01/11/22 10:56*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*01/07/22 10:02*	*01/11/22 10:56*	*1*

Lab Sample ID: LCS 180-384532/2-A
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.212		mg/Kg		64	41 - 100
Acenaphthylene	0.333	0.226		mg/Kg		68	45 - 100
Anthracene	0.333	0.229		mg/Kg		69	47 - 100
Benzo[a]anthracene	0.333	0.222		mg/Kg		67	47 - 100
Benzo[a]pyrene	0.333	0.235		mg/Kg		71	45 - 101
Benzo[b]fluoranthene	0.333	0.242		mg/Kg		73	44 - 100
Benzo[g,h,i]perylene	0.333	0.217		mg/Kg		65	45 - 103
Benzo[k]fluoranthene	0.333	0.246		mg/Kg		74	43 - 100
Chrysene	0.333	0.218		mg/Kg		65	44 - 100
Dibenz(a,h)anthracene	0.333	0.227		mg/Kg		68	46 - 107
Dibenzofuran	0.333	0.230		mg/Kg		69	47 - 100
2,4-Dinitrotoluene	0.333	0.251		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.328		mg/Kg		98	10 - 133
Fluoranthene	0.333	0.236		mg/Kg		71	49 - 102
Fluorene	0.333	0.226		mg/Kg		68	46 - 100
Hexachlorobenzene	0.333	0.238		mg/Kg		71	45 - 101
Hexachlorobutadiene	0.333	0.232		mg/Kg		70	38 - 110
Hexachloroethane	0.333	0.216		mg/Kg		65	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.227		mg/Kg		68	48 - 104
2-Methylphenol	0.333	0.232		mg/Kg		70	43 - 101
Methylphenol, 3 & 4	0.333	0.250		mg/Kg		75	43 - 104
Naphthalene	0.333	0.210		mg/Kg		63	43 - 100
Nitrobenzene	0.333	0.198		mg/Kg		60	43 - 107
Pentachlorophenol	0.667	0.491		mg/Kg		74	34 - 112
Phenanthrene	0.333	0.221		mg/Kg		66	46 - 100
Phenol	0.333	0.232		mg/Kg		70	42 - 103
Pyrene	0.333	0.215		mg/Kg		65	44 - 102
Pyridine	0.667	0.452		mg/Kg		68	25 - 109
2,4,5-Trichlorophenol	0.333	0.232		mg/Kg		70	47 - 108
2,4,6-Trichlorophenol	0.333	0.243		mg/Kg		73	47 - 108

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*74*		*32 - 105*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*
Phenol-d5 (Surr)	*76*		*34 - 105*
Terphenyl-d14 (Surr)	*75*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*81*		*20 - 119*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132006-3 MS
Matrix: Solid
Analysis Batch: 384810

Client Sample ID: SSHS-IRM5A2-A2-A32C
Prep Type: Total/NA
Prep Batch: 384532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.19		0.389	0.478		mg/Kg	☼	75	41 - 100
Acenaphthylene	0.20		0.389	0.478		mg/Kg	☼	73	45 - 100
Anthracene	0.52	F1	0.389	0.897		mg/Kg	☼	97	47 - 100
Benzo[a]anthracene	1.2	F1	0.389	1.71	F1	mg/Kg	☼	130	47 - 100
Benzo[a]pyrene	1.1	F1 F2	0.389	1.49		mg/Kg	☼	97	45 - 101
Benzo[b]fluoranthene	1.2	F1	0.389	1.67	F1	mg/Kg	☼	112	44 - 100
Benzo[g,h,i]perylene	0.69	F1	0.389	1.05		mg/Kg	☼	92	45 - 103
Benzo[k]fluoranthene	0.48	F1 F2	0.389	0.771		mg/Kg	☼	76	43 - 100
Chrysene	1.1	F1	0.389	1.70	F1	mg/Kg	☼	142	44 - 100
Dibenz(a,h)anthracene	0.22		0.389	0.475		mg/Kg	☼	66	46 - 107
Dibenzofuran	ND	F1	0.389	0.427	J F1	mg/Kg	☼	110	47 - 100
2,4-Dinitrotoluene	ND	F1	0.389	ND	F1	mg/Kg	☼	0	48 - 106
1,4-Dioxane	ND	F1	0.389	ND	F1	mg/Kg	☼	0	10 - 133
Fluoranthene	1.9		0.389	2.86	4	mg/Kg	☼	241	49 - 102
Fluorene	0.18	F1 F2	0.389	0.480		mg/Kg	☼	77	46 - 100
Hexachlorobenzene	ND		0.389	0.244		mg/Kg	☼	63	45 - 101
Hexachlorobutadiene	ND		0.389	0.262		mg/Kg	☼	67	38 - 110
Hexachloroethane	ND		0.389	0.246	J	mg/Kg	☼	63	40 - 100
Indeno[1,2,3-cd]pyrene	0.64	F1 F2	0.389	0.981		mg/Kg	☼	88	48 - 104
2-Methylphenol	ND		0.389	0.189	J	mg/Kg	☼	49	43 - 101
Methylphenol, 3 & 4	ND		0.389	0.215	J	mg/Kg	☼	55	43 - 104
Naphthalene	0.14		0.389	0.383		mg/Kg	☼	63	43 - 100
Nitrobenzene	ND		0.389	0.254	J	mg/Kg	☼	65	43 - 107
Pentachlorophenol	ND		0.777	ND		mg/Kg	☼	NC	34 - 112
Phenanthrene	1.4	F1	0.389	2.30	F1	mg/Kg	☼	221	46 - 100
Phenol	ND		0.389	0.210	J	mg/Kg	☼	54	42 - 103
Pyrene	1.9		0.389	2.69	4	mg/Kg	☼	211	44 - 102
Pyridine	ND	F1	0.777	ND	F1	mg/Kg	☼	0	25 - 109
2,4,5-Trichlorophenol	ND		0.389	0.234	J	mg/Kg	☼	60	47 - 108
2,4,6-Trichlorophenol	ND		0.389	0.233	J	mg/Kg	☼	60	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*0*	*S1-*	*35 - 105*
2-Fluorophenol (Surr)	*0*	*S1-*	*32 - 105*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*34 - 109*
Phenol-d5 (Surr)	*0*	*S1-*	*34 - 105*
Terphenyl-d14 (Surr)	*0*	*S1-*	*20 - 117*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*20 - 119*

Lab Sample ID: 180-132006-3 MSD
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: SSHS-IRM5A2-A2-A32C
Prep Type: Total/NA
Prep Batch: 384532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.19		0.390	0.578		mg/Kg	☼	100	41 - 100	19	22
Acenaphthylene	0.20		0.390	0.556		mg/Kg	☼	93	45 - 100	15	23
Anthracene	0.52	F1	0.390	1.06	F1	mg/Kg	☼	140	47 - 100	17	26
Benzo[a]anthracene	1.2	F1	0.390	2.08	F1	mg/Kg	☼	226	47 - 100	20	24

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132006-3 MSD
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: SSHS-IRM5A2-A2-A32C
Prep Type: Total/NA
Prep Batch: 384532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	1.1	F1 F2	0.390	1.87	F1 F2	mg/Kg	☼	196	45 - 101	23	21
Benzo[b]fluoranthene	1.2	F1	0.390	2.05	F1	mg/Kg	☼	209	44 - 100	20	26
Benzo[g,h,i]perylene	0.69	F1	0.390	1.24	F1	mg/Kg	☼	139	45 - 103	16	22
Benzo[k]fluoranthene	0.48	F1 F2	0.390	1.09	F1 F2	mg/Kg	☼	157	43 - 100	34	18
Chrysene	1.1	F1	0.390	1.93	F1	mg/Kg	☼	201	44 - 100	13	26
Dibenz(a,h)anthracene	0.22		0.390	0.570		mg/Kg	☼	90	46 - 107	18	24
Dibenzofuran	ND	F1	0.390	0.512	J F1	mg/Kg	☼	131	47 - 100	18	19
2,4-Dinitrotoluene	ND	F1	0.390	ND	F1	mg/Kg	☼	0	48 - 106	NC	20
1,4-Dioxane	ND	F1	0.390	ND	F1	mg/Kg	☼	0	10 - 133	NC	40
Fluoranthene	1.9		0.390	3.62	4	mg/Kg	☼	436	49 - 102	24	26
Fluorene	0.18	F1 F2	0.390	0.626	F1 F2	mg/Kg	☼	114	46 - 100	27	22
Hexachlorobenzene	ND		0.390	0.282		mg/Kg	☼	72	45 - 101	14	27
Hexachlorobutadiene	ND		0.390	0.284		mg/Kg	☼	73	38 - 110	8	27
Hexachloroethane	ND		0.390	0.263	J	mg/Kg	☼	67	40 - 100	7	27
Indeno[1,2,3-cd]pyrene	0.64	F1 F2	0.390	1.31	F1 F2	mg/Kg	☼	171	48 - 104	28	22
2-Methylphenol	ND		0.390	0.225	J	mg/Kg	☼	58	43 - 101	17	27
Methylphenol, 3 & 4	ND		0.390	0.241	J	mg/Kg	☼	62	43 - 104	11	24
Naphthalene	0.14		0.390	0.472		mg/Kg	☼	86	43 - 100	21	28
Nitrobenzene	ND		0.390	0.303	J	mg/Kg	☼	78	43 - 107	18	28
Pentachlorophenol	ND		0.780	ND		mg/Kg	☼	NC	34 - 112	NC	28
Phenanthrene	1.4	F1	0.390	2.72	F1	mg/Kg	☼	330	46 - 100	17	27
Phenol	ND		0.390	0.266	J	mg/Kg	☼	68	42 - 103	23	30
Pyrene	1.9		0.390	3.07	4	mg/Kg	☼	305	44 - 102	13	27
Pyridine	ND	F1	0.780	ND	F1	mg/Kg	☼	0	25 - 109	NC	31
2,4,5-Trichlorophenol	ND		0.390	0.275	J	mg/Kg	☼	71	47 - 108	16	19
2,4,6-Trichlorophenol	ND		0.390	0.259	J	mg/Kg	☼	66	47 - 108	10	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*0*	*S1- D*	*35 - 105*
2-Fluorophenol (Surr)	*0*	*S1- D*	*32 - 105*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*34 - 109*
Phenol-d5 (Surr)	*0*	*S1- D*	*34 - 105*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*20 - 117*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-384428/1-C
Matrix: Solid
Analysis Batch: 384613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/07/22 10:00	01/09/22 12:58	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-384428/1-C
Matrix: Solid
Analysis Batch: 384613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.017	0.0059	mg/Kg		01/07/22 10:00	01/09/22 12:58	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/07/22 10:00	01/09/22 12:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*01/07/22 10:00*	*01/09/22 12:58*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*01/07/22 10:00*	*01/09/22 12:58*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*01/07/22 10:00*	*01/09/22 12:58*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*01/07/22 10:00*	*01/09/22 12:58*	*1*

Lab Sample ID: LCS 180-384428/2-C
Matrix: Solid
Analysis Batch: 384613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.10		mg/Kg		82	43 - 136
PCB-1260	1.33	1.21		mg/Kg		91	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-384457/1-A
Matrix: Solid
Analysis Batch: 384615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Barium	ND		20	3.6	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Beryllium	ND		0.40	0.11	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Cadmium	ND		0.50	0.073	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Chromium	ND		0.50	0.46	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Copper	ND		2.5	1.5	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Lead	ND		1.0	0.87	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Manganese	ND		1.5	0.28	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Nickel	ND		4.0	0.50	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Selenium	ND		1.0	0.46	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Silver	ND		0.50	0.10	mg/Kg		01/06/22 13:03	01/07/22 11:01	1
Zinc	ND		2.0	1.2	mg/Kg		01/06/22 13:03	01/07/22 11:01	1

Lab Sample ID: LCS 180-384457/2-A
Matrix: Solid
Analysis Batch: 384615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	96.7		mg/Kg		97	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-384457/2-A
Matrix: Solid
Analysis Batch: 384615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	100	97.6		mg/Kg		98	80 - 120
Beryllium	50.0	48.7		mg/Kg		97	80 - 120
Cadmium	50.0	47.7		mg/Kg		95	80 - 120
Chromium	50.0	47.1		mg/Kg		94	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	43.8		mg/Kg		88	80 - 120
Manganese	50.0	48.0		mg/Kg		96	80 - 120
Nickel	50.0	46.4		mg/Kg		93	80 - 120
Selenium	100	91.3		mg/Kg		91	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	22.7		mg/Kg		91	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-384619/1-A
Matrix: Solid
Analysis Batch: 384802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/10/22 06:09	01/11/22 07:40	1

Lab Sample ID: LCS 180-384619/2-A
Matrix: Solid
Analysis Batch: 384802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.469		mg/Kg		113	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-132006-3 DU
Matrix: Solid
Analysis Batch: 384524

Client Sample ID: SSHS-IRM5A2-A2-A32C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15.1		14.1		%		7	10
Percent Solids	84.9		85.9		%		1	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-384518/1-A
Matrix: Solid
Analysis Batch: 384601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/07/22 08:43	01/08/22 10:38	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-384518/3-A
Matrix: Solid
Analysis Batch: 384601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384518

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	752		mg/Kg		106	80 - 120

Lab Sample ID: LCSS 180-384518/2-A
Matrix: Solid
Analysis Batch: 384601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384518

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	15.9		mg/Kg		80	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-384550/4-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.30	0.23	mg/Kg		01/07/22 12:30	01/07/22 15:28	1

Lab Sample ID: HLCS 180-384550/2-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384550

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.254		mg/Kg		102	90 - 110

Lab Sample ID: LCS 180-384550/3-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	14.9		mg/Kg		65	17 - 163

Lab Sample ID: LLCS 180-384550/1-A
Matrix: Solid
Analysis Batch: 384679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384550

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0528		mg/Kg		106	90 - 110

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132006-1

GC/MS VOA

Analysis Batch: 384498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-1	SSHS-IRM5A2-A2-A32A	Total/NA	Solid	EPA 8260C	384574
180-132006-2	SSHS-IRM5A2-A2-A32B	Total/NA	Solid	EPA 8260C	384574
180-132006-4	SSHS-IRM5A2-A2-A33A	Total/NA	Solid	EPA 8260C	384574
180-132006-7	SSHS-IRM5A2-A2-A34A	Total/NA	Solid	EPA 8260C	384574
180-132006-11	SSHS-IRM5A2-A2-A35B	Total/NA	Solid	EPA 8260C	384574
MB 180-384498/11	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-384498/7	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-384498/8	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 384574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-1	SSHS-IRM5A2-A2-A32A	Total/NA	Solid	5035	
180-132006-2	SSHS-IRM5A2-A2-A32B	Total/NA	Solid	5035	
180-132006-4	SSHS-IRM5A2-A2-A33A	Total/NA	Solid	5035	
180-132006-7	SSHS-IRM5A2-A2-A34A	Total/NA	Solid	5035	
180-132006-11	SSHS-IRM5A2-A2-A35B	Total/NA	Solid	5035	

Analysis Batch: 384632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-2 - RA	SSHS-IRM5A2-A2-A32B	Total/NA	Solid	EPA 8260C	384680
180-132006-5	SSHS-IRM5A2-A2-A33B	Total/NA	Solid	EPA 8260C	384680
180-132006-7 - RA	SSHS-IRM5A2-A2-A34A	Total/NA	Solid	EPA 8260C	384680
180-132006-8	SSHS-IRM5A2-A2-A34B	Total/NA	Solid	EPA 8260C	384680
180-132006-10	SSHS-IRM5A2-A2-A35A	Total/NA	Solid	EPA 8260C	384680
MB 180-384632/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-384632/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-384632/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 384680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-2 - RA	SSHS-IRM5A2-A2-A32B	Total/NA	Solid	5035	
180-132006-5	SSHS-IRM5A2-A2-A33B	Total/NA	Solid	5035	
180-132006-7 - RA	SSHS-IRM5A2-A2-A34A	Total/NA	Solid	5035	
180-132006-8	SSHS-IRM5A2-A2-A34B	Total/NA	Solid	5035	
180-132006-10	SSHS-IRM5A2-A2-A35A	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 384532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3541	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	3541	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	3541	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	3541	
MB 180-384532/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-384532/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-132006-3 MS	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3541	
180-132006-3 MSD	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3541	

Client: Geosyntec Consultants, Inc.
Job ID: 180-132006-1
Project/Site: Former Sperry Remington-Reuse

GC/MS Semi VOA

Analysis Batch: 384810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 8270D LL	384532
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	EPA 8270D LL	384532
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	EPA 8270D LL	384532
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	EPA 8270D LL	384532
MB 180-384532/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	384532
LCS 180-384532/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	384532
180-132006-3 MS	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 8270D LL	384532

Analysis Batch: 384901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3 MSD	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 8270D LL	384532

GC Semi VOA

Prep Batch: 384428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3541	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	3541	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	3541	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	3541	
MB 180-384428/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 384610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3665A	384428
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	3665A	384428
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	3665A	384428
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	3665A	384428
MB 180-384428/1-C	Method Blank	Total/NA	Solid	3665A	384428
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	3665A	384428

Cleanup Batch: 384611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3660B	384610
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	3660B	384610
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	3660B	384610
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	3660B	384610
MB 180-384428/1-C	Method Blank	Total/NA	Solid	3660B	384610
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	3660B	384610

Analysis Batch: 384613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 8082A	384611
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	EPA 8082A	384611
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	EPA 8082A	384611
MB 180-384428/1-C	Method Blank	Total/NA	Solid	EPA 8082A	384611
LCS 180-384428/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	384611

GC Semi VOA

Analysis Batch: 384620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	EPA 8082A	384611

Metals

Prep Batch: 384457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3050B	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	3050B	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	3050B	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	3050B	
MB 180-384457/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-384457/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 384615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 6010C	384457
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	EPA 6010C	384457
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	EPA 6010C	384457
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	EPA 6010C	384457
MB 180-384457/1-A	Method Blank	Total/NA	Solid	EPA 6010C	384457
LCS 180-384457/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	384457

Prep Batch: 384619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	7471B	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	7471B	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	7471B	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	7471B	
MB 180-384619/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-384619/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 384802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 7471B	384619
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	EPA 7471B	384619
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	EPA 7471B	384619
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	EPA 7471B	384619
MB 180-384619/1-A	Method Blank	Total/NA	Solid	EPA 7471B	384619
LCS 180-384619/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	384619

General Chemistry

Prep Batch: 384518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	3060A	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	3060A	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	3060A	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	3060A	
MB 180-384518/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-384518/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-384518/2-A	Lab Control Sample	Total/NA	Solid	3060A	

General Chemistry

Analysis Batch: 384524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-1	SSHS-IRM5A2-A2-A32A	Total/NA	Solid	2540G	
180-132006-2	SSHS-IRM5A2-A2-A32B	Total/NA	Solid	2540G	
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	2540G	
180-132006-4	SSHS-IRM5A2-A2-A33A	Total/NA	Solid	2540G	
180-132006-5	SSHS-IRM5A2-A2-A33B	Total/NA	Solid	2540G	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	2540G	
180-132006-7	SSHS-IRM5A2-A2-A34A	Total/NA	Solid	2540G	
180-132006-8	SSHS-IRM5A2-A2-A34B	Total/NA	Solid	2540G	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	2540G	
180-132006-10	SSHS-IRM5A2-A2-A35A	Total/NA	Solid	2540G	
180-132006-3 DU	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	2540G	

Analysis Batch: 384535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-11	SSHS-IRM5A2-A2-A35B	Total/NA	Solid	2540G	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	2540G	

Prep Batch: 384550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	9010C	
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	9010C	
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	9010C	
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	9010C	
MB 180-384550/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-384550/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-384550/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-384550/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 384601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 7196A	384518
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	EPA 7196A	384518
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	EPA 7196A	384518
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	EPA 7196A	384518
MB 180-384518/1-A	Method Blank	Total/NA	Solid	EPA 7196A	384518
LCSI 180-384518/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	384518
LCSS 180-384518/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	384518

Analysis Batch: 384679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132006-3	SSHS-IRM5A2-A2-A32C	Total/NA	Solid	EPA 9014	384550
180-132006-6	SSHS-IRM5A2-A2-A33C	Total/NA	Solid	EPA 9014	384550
180-132006-9	SSHS-IRM5A2-A2-A34C	Total/NA	Solid	EPA 9014	384550
180-132006-12	SSHS-IRM5A2-A2-A35C	Total/NA	Solid	EPA 9014	384550
MB 180-384550/4-A	Method Blank	Total/NA	Solid	EPA 9014	384550
HLCS 180-384550/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384550
LCS 180-384550/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384550
LLCS 180-384550/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384550

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): 5 day	
State, Zip: MD, 21044		
Phone: 410-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site-	Project #: 18013464	
Site:	SSOW#:	

180-132006 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A32A	1/5/22	1200	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A32B	1/5/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A32C	1/5/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A33A	1/5/22	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A33B	1/5/22	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A33C	1/5/22	1430	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A34A	1/5/22	1450	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A34B	1/5/22	1450	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A34C	1/5/22	1450	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A35A	1/5/22	1510	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A35B	1/5/22	1510	G	S	N	N	X												4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/5/2022 1630			1/6/22 1000	ETA PitT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A35C	1/5/22	1510	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey	1/5/2022 1630			1/6/22 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-132006 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A32A	1/5/22	1200	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A32B	1/5/22	1200	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A32C	1/5/22	1200	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A33A	1/5/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A33B	1/5/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A33C	1/5/22	1430	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A34A	1/5/22	1450	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A34B	1/5/22	1450	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A34C	1/5/22	1450	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A35A	1/5/22	1510	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A35B	1/5/22	1510	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mary Kate Dempsey Mary Kate Dempsey	1/5/2022 1630			1/6/22 1200	GEOSYNTEC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1771131 | Cooler Temperature(s) °C and Other Remarks: 1.7c

Page 51 of 55

1/13/2022

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
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D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A35C	1/5/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Mary Kate Dempsey	Date/Time: 1/5/2022 1630	Company	Received by:	Date/Time: 1/6/22 1200	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1771131	Cooler Temperature(s) °C and Other Remarks: 1.7c

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Job: 180-132006 Field Sheet

Tracking # : 775641855747

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 604 Corr. Factor: (+ / -) - °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 177131

Cooler ID: _____

Temp Observed: 1.7 °C Corrected: 1.7 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 1/6/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified? NC 1-6-22	☑	☐	☐
Samples w/o discrepancies? NC 1-6-22	☑	☐	☐
Zero headspace?*	☑	☐	☐
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 1-6-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 1-6-22

WR3-2A



ORIGIN ID:ELMA (240) 678-2050
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 05JAN22
ACTWGT: 50.00 LB
CAD: 2521440856/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV 01
PO 28 DEPT. 1751

56DJ201EF/FE4A

FedEx Express

FedEx Ship Manager - Print Your Label(s)

THU - 06 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7756 4855 9747

XW BLUA

95605
CA-US SMF

RT 362 1 10:30 F 9747 01.06
FZ

1/3/22, 2:00 PM

Custody Seal

DATE

SIGNATURE

eurofins | Environment Testing TestAmerica

1771131

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132006-1

Login Number: 132006
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132142-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/17/2022 1:59:01 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Receipt Checklists 33

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Job ID: 180-132142-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132142-2

Receipt
The samples were received on 1/11/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.8º C, 2.6º C and 4.4º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132142-3	SSHS-IRM5A2-A2-A36C	Solid	01/10/22 12:00	01/11/22 10:30
180-132142-6	SSHS-IRM5A2-A2-A37C	Solid	01/10/22 12:20	01/11/22 10:30
180-132142-9	SSHS-IRM5A2-A2-A38C	Solid	01/10/22 12:40	01/11/22 10:30
180-132142-12	SSHS-IRM5A2-A2-A39C	Solid	01/10/22 14:10	01/11/22 10:30
180-132142-15	SSHS-IRM5A2-A2-A40C	Solid	01/10/22 14:30	01/11/22 10:30
180-132142-18	SSHS-IRM5A2-A2-A41C	Solid	01/10/22 15:20	01/11/22 10:30
180-132142-21	SSHS-IRM5A2-A2-A42C	Solid	01/10/22 15:40	01/11/22 10:30
180-132142-24	SSHS-IRM5A2-A2-A43C	Solid	01/10/22 15:50	01/11/22 10:30
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Solid	01/10/22 00:00	01/11/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Client Sample ID: SSHS-IRM5A2-A2-A36C
Lab Sample ID: 180-132142-3
Date Collected: 01/10/22 12:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 01:53	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A37C
Lab Sample ID: 180-132142-6
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 02:03	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A38C
Lab Sample ID: 180-132142-9
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 02:14	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A39C
Lab Sample ID: 180-132142-12
Date Collected: 01/10/22 14:10
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.45 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 02:44	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A40C
Lab Sample ID: 180-132142-15
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.26 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 02:54	VPM	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A41C — Lab Sample ID: 180-132142-18

Date Collected: 01/10/22 15:20 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 03:24	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A42C — Lab Sample ID: 180-132142-21

Date Collected: 01/10/22 15:40 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.34 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 03:34	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A43C — Lab Sample ID: 180-132142-24

Date Collected: 01/10/22 15:50 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 89.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.04 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 03:45	VPM	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-DUP10C — Lab Sample ID: 180-132142-27

Date Collected: 01/10/22 00:00 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	557671	01/12/22 19:35	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			557864	01/14/22 03:55	VPM	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

VPM = Veronika Melnik

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Client Sample ID: SSHS-IRM5A2-A2-A36C
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-3
Matrix: Solid
Percent Solids: 91.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.033	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.046	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	01/12/22 19:35	01/14/22 01:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C5 PFPeA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C2 PFHxA	*88*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C4 PFOA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C2 PFUnA	*95*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C2 PFDoA	*89*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C3 PFBS	*83*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
18O2 PFHxS	*80*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C4 PFOS	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
13C8 FOSA	*91*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*01/12/22 19:35*	*01/14/22 01:53*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A37C
Lab Sample ID: 180-132142-6
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 87.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.099**	**J**	0.21	0.049	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluoropentanoic acid (PFPeA)	**0.046**	**J**	0.21	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J**	0.21	0.046	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1
8:2 FTS	ND		0.21	0.038	ug/Kg	☼	01/12/22 19:35	01/14/22 02:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*57*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C5 PFPeA	*83*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C2 PFHxA	*82*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C4 PFHpA	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C4 PFOA	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C2 PFUnA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C2 PFDoA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C3 PFBS	*80*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
18O2 PFHxS	*78*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C4 PFOS	*83*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
13C8 FOSA	*89*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
d5-NEtFOSAA	*111*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*
M2-8:2 FTS	*137*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:03*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A38C
Lab Sample ID: 180-132142-9
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorooctanesulfonic acid (PFOS)	**0.060**	**J**	0.22	0.047	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 02:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C2 PFHxA	*83*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C4 PFHpA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C4 PFOA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C2 PFUnA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C2 PFDoA	*91*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C3 PFBS	*79*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
18O2 PFHxS	*79*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C4 PFOS	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
13C8 FOSA	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*
M2-8:2 FTS	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:14*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Client Sample ID: SSHS-IRM5A2-A2-A39C
Date Collected: 01/10/22 14:10
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-12
Matrix: Solid
Percent Solids: 90.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	01/12/22 19:35	01/14/22 02:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C2 PFHxA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C4 PFHpA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C4 PFOA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C5 PFNA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C2 PFDoA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C3 PFBS	*88*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
18O2 PFHxS	*87*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C4 PFOS	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
13C8 FOSA	*95*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:44*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A40C
Lab Sample ID: 180-132142-15
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorooctanesulfonic acid (PFOS)	**0.071**	**J**	0.21	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/12/22 19:35	01/14/22 02:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C5 PFPeA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C2 PFHxA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C4 PFHpA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C4 PFOA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C2 PFDA	*101*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C2 PFUnA	*102*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C2 PFDoA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C3 PFBS	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
18O2 PFHxS	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C4 PFOS	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
13C8 FOSA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*01/12/22 19:35*	*01/14/22 02:54*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A41C
Lab Sample ID: 180-132142-18
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/12/22 19:35	01/14/22 03:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C5 PFPeA	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C2 PFHxA	*88*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C4 PFHpA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C4 PFOA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C5 PFNA	*91*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C2 PFDA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C2 PFDoA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C3 PFBS	*85*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
18O2 PFHxS	*84*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C4 PFOS	*87*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
13C8 FOSA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:24*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A42C
Lab Sample ID: 180-132142-21
Date Collected: 01/10/22 15:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/12/22 19:35	01/14/22 03:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C5 PFPeA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C2 PFHxA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C4 PFHpA	*100*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C4 PFOA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C2 PFDA	*104*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C2 PFUnA	*102*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C2 PFDoA	*99*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C2 PFTeDA	*101*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C3 PFBS	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
18O2 PFHxS	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C4 PFOS	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
13C8 FOSA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
d5-NEtFOSAA	*117*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:34*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A43C
Lab Sample ID: 180-132142-24
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 03:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*58*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C5 PFPeA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C2 PFHxA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C4 PFHpA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C4 PFOA	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C2 PFDA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C2 PFUnA	*100*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C2 PFDoA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C3 PFBS	*88*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
18O2 PFHxS	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C4 PFOS	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
13C8 FOSA	*90*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:45*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

Client Sample ID: SSHS-IRM5A2-A2-DUP10C
Date Collected: 01/10/22 00:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-27
Matrix: Solid
Percent Solids: 92.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	01/12/22 19:35	01/14/22 03:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C2 PFHxA	*89*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C4 PFHpA	*92*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C4 PFOA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C5 PFNA	*95*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C2 PFDA	*99*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C2 PFUnA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C2 PFDoA	*99*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C3 PFBS	*86*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
18O2 PFHxS	*82*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C4 PFOS	*88*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
13C8 FOSA	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
d3-NMeFOSAA	*103*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
M2-6:2 FTS	*94*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*01/12/22 19:35*	*01/14/22 03:55*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-557671/1-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/12/22 19:35	01/13/22 08:18	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/12/22 19:35	01/13/22 08:18	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*61*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C5 PFPeA	*90*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C2 PFHxA	*97*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C4 PFHpA	*84*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C4 PFOA	*84*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C5 PFNA	*88*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C2 PFDA	*93*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C2 PFUnA	*95*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C2 PFDoA	*93*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C3 PFBS	*94*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
18O2 PFHxS	*84*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C4 PFOS	*95*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
13C8 FOSA	*88*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*
M2-8:2 FTS	*82*		*25 - 150*	*01/12/22 19:35*	*01/13/22 08:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-557671/2-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.86		ug/Kg		93	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.81		ug/Kg		90	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.85		ug/Kg		92	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.87		ug/Kg		94	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.76		ug/Kg		88	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.59		ug/Kg		80	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.88		ug/Kg		94	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.93		ug/Kg		96	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.86		ug/Kg		93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.90		ug/Kg		95	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.61		ug/Kg		91	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.77		ug/Kg		97	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.79		ug/Kg		94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.70		ug/Kg		92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.65		ug/Kg		85	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.90		ug/Kg		95	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.86		ug/Kg		93	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.98		ug/Kg		99	72 - 132
6:2 FTS	1.90	1.68		ug/Kg		88	73 - 139
8:2 FTS	1.92	1.84		ug/Kg		96	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*66*		*25 - 150*
13C5 PFPeA	*100*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*86*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*101*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*85*		*25 - 150*
13C3 PFBS	*97*		*25 - 150*
18O2 PFHxS	*82*		*25 - 150*
13C4 PFOS	*98*		*25 - 150*
13C8 FOSA	*92*		*25 - 150*
d3-NMeFOSAA	*103*		*25 - 150*
d5-NEtFOSAA	*108*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-557671/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 557688 **Prep Batch: 557671**

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	84		25 - 150
M2-8:2 FTS	96		25 - 150

Lab Sample ID: 180-132142-15 MS **Client Sample ID: SSHS-IRM5A2-A2-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 557864 **Prep Batch: 557671**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		1.99	1.99		ug/Kg	☼	100	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		1.99	1.83		ug/Kg	☼	92	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		1.99	1.79		ug/Kg	☼	90	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		1.99	1.80		ug/Kg	☼	90	71 - 131
Perfluorooctanoic acid (PFOA)	ND		1.99	1.87		ug/Kg	☼	94	72 - 132
Perfluorononanoic acid (PFNA)	ND		1.99	1.77		ug/Kg	☼	89	73 - 133
Perfluorodecanoic acid (PFDA)	ND		1.99	1.78		ug/Kg	☼	90	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		1.99	1.90		ug/Kg	☼	96	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		1.99	2.01		ug/Kg	☼	101	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		1.99	1.83		ug/Kg	☼	92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		1.99	1.85		ug/Kg	☼	93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.76	1.55		ug/Kg	☼	88	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.81	1.71		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.89	1.76		ug/Kg	☼	93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.071	J	1.84	1.72		ug/Kg	☼	89	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.91	1.69		ug/Kg	☼	88	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		1.99	1.92		ug/Kg	☼	97	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.99	1.81		ug/Kg	☼	91	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.99	1.95		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		1.88	1.91		ug/Kg	☼	102	73 - 139
8:2 FTS	ND		1.90	1.85		ug/Kg	☼	97	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	60		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	104		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	100		25 - 150
13C2 PFDoA	94		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132142-15 MS **Client Sample ID: SSHS-IRM5A2-A2-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 557864 **Prep Batch: 557671**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	99		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	98		25 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	105		25 - 150
M2-6:2 FTS	93		25 - 150
M2-8:2 FTS	94		25 - 150

Lab Sample ID: 180-132142-15 MSD **Client Sample ID: SSHS-IRM5A2-A2-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 557864 **Prep Batch: 557671**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.08	2.01		ug/Kg	☼	97	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.08	1.85		ug/Kg	☼	89	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	ND		2.08	1.86		ug/Kg	☼	89	71 - 131	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.08	1.97		ug/Kg	☼	95	71 - 131	9	30
Perfluorooctanoic acid (PFOA)	ND		2.08	1.88		ug/Kg	☼	90	72 - 132	0	30
Perfluorononanoic acid (PFNA)	ND		2.08	1.93		ug/Kg	☼	93	73 - 133	9	30
Perfluorodecanoic acid (PFDA)	ND		2.08	1.88		ug/Kg	☼	90	72 - 132	5	30
Perfluoroundecanoic acid (PFUnA)	ND		2.08	1.99		ug/Kg	☼	96	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.08	2.02		ug/Kg	☼	97	71 - 131	0	30
Perfluorotridecanoic acid (PFTriA)	ND		2.08	1.94		ug/Kg	☼	93	71 - 131	6	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.08	1.97		ug/Kg	☼	95	67 - 127	6	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.84	1.61		ug/Kg	☼	88	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.89	1.87		ug/Kg	☼	99	62 - 122	9	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.98	1.81		ug/Kg	☼	91	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	0.071	J	1.93	1.77		ug/Kg	☼	88	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.01	1.80		ug/Kg	☼	90	71 - 131	7	30
Perfluorooctanesulfonamide (FOSA)	ND		2.08	2.02		ug/Kg	☼	97	77 - 137	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.08	1.87		ug/Kg	☼	90	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.08	2.07		ug/Kg	☼	99	72 - 132	6	30
6:2 FTS	ND		1.97	2.04		ug/Kg	☼	103	73 - 139	6	30
8:2 FTS	ND		1.99	1.95		ug/Kg	☼	98	75 - 135	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	63		25 - 150
13C5 PFPeA	93		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132142-15 MSD **Client Sample ID: SSHS-IRM5A2-A2-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 557864 **Prep Batch: 557671**

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	88		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	98		25 - 150
13C2 PFTeDA	98		25 - 150
13C3 PFBS	90		25 - 150
18O2 PFHxS	84		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	94		25 - 150
d3-NMeFOSAA	102		25 - 150
d5-NEtFOSAA	98		25 - 150
M2-6:2 FTS	92		25 - 150
M2-8:2 FTS	93		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-2

LCMS

Prep Batch: 557671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	SHAKE	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	SHAKE	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	SHAKE	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	SHAKE	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	SHAKE	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	SHAKE	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	SHAKE	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	SHAKE	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	SHAKE	
MB 320-557671/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-557671/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	SHAKE	
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	SHAKE	

Analysis Batch: 557688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-557671/1-A	Method Blank	Total/NA	Solid	537 (modified)	557671
LCS 320-557671/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	557671

Analysis Batch: 557864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	537 (modified)	557671
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	537 (modified)	557671
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	537 (modified)	557671
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	537 (modified)	557671
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	537 (modified)	557671
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	537 (modified)	557671
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	537 (modified)	557671
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	537 (modified)	557671
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	537 (modified)	557671
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	537 (modified)	557671
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	537 (modified)	557671

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A36A	1/10/22	1200	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A36B	1/10/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A36C	1/10/22	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A37A	1/10/22	1220	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A37B	1/10/22	1220	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A37C	1/10/22	1220	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A38A	1/10/22	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A38B	1/10/22	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A38C	1/10/22	1240	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A39A	1/10/22	1410	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A39B	1/10/22	1410	G	S	N	N	X													4	

180-132142 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/13/22 1500			1/11/22 1030	EA PIT
Relinquished by:	Date/Time: 2082	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7199A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A39C	1/10/22	1410	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A40A	1/10/22	1430	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A40B	1/10/22	1430	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A40C	1/10/22	1430	C	S	N	Y		X	X	X	X	X	X	X						10	
SSHS-IRM5A2-A2-A41A	1/10/22	1520	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A41B	1/10/22	1520	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A41C	1/10/22	1520	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A42A	1/10/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A42B	1/10/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A42C	1/10/22	1540	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A43A	1/10/22	1550	G	S	N		N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/10/2022 1500	Geosyntec		1/11/22 1030	EA PHX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A43B	1/10/22	1550	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A43C	1/10/22	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP10A	1/10/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP10B	1/10/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP10C	1/10/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/6/2022 1100	[illegible]	[signature]	1/11/22 1030	EAT Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr. Aron Krasnopoler	MK Dempsey	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN08321			Preservation Codes:
Phone: 410-381-4333	WO #			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Email: akrasnopoler@geosyntec.com				Other:
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-132142 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A36A	1/10/22	1200	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A36B	1/10/22	1200	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A36C	1/10/22	1200	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A37A	1/10/22	1220	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A37B	1/10/22	1220	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A37C	1/10/22	1220	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A38A	1/10/22	1240	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A38B	1/10/22	1240	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A38C	1/10/22	1240	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A39A	1/10/22	1410	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A39B	1/10/22	1410	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	1/10/22 1800			1-11-22 11:00	EETSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.8

Ver: 01/16/2019

1/17/2022

Eurofins Test America, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044	PO #: MN08321			
Phone: 410-381-4333	WO #:			Other:
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7199A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A39C	1/10/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A40A	1/10/22	1430	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A40B	1/10/22	1430	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A40C	1/10/22	1430	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A41A	1/10/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A41B	1/10/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A41C	1/10/22	1520	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A42A	1/10/22	1540	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A42B	1/10/22	1540	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A42C	1/10/22	1540	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A43A	1/10/22	1550	G	S	N		N	X							4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				1-11-22 11:00	EE TSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.8

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested		
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)
Other:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N								
SSHS-IRM5A2-A2-A43B	1/10/22	1550	G	S	N	N	X														4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A43C	1/10/22	1550	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-DUP10A	1/10/22		G	S	N	N	X														4	
SSHS-IRM5A2-A2-DUP10B	1/10/22		G	S	N	N	X														4	
SSHS-IRM5A2-A2-DUP10C	1/10/22		C	S	N	N		X	X	X	X	X	X	X							5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:
Relinquished by	Date/Time: 1/10/22 1600	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time: 1-11-22 11:00	Company: EETSAC
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.8

Ver. 01/16/2019

Page 30 of 34

1/17/2022

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Sacramento Sample Receiving Notes


180-132142 Field Sheet

Job: _____

Tracking # : 7756 9056 5080

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-02 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: –

Cooler ID: –

Temp Observed: 0.6 °C Corrected: 0.6 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: DH Date: 1/11/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 1-11-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 1-11-22

WR3-378



ORIGIN ID:ELMA (240) 930-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 10JAN22
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

560J201EF/FE4A

FedEx Express

J212221121601uv

TUE - 11 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7756 9056 5080

XW BLUA

95605
CA-US SMF

FedEx Ship Manager - Print Your Label(s)

8 AM

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132142-2

Login Number: 132142
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132142-2

Login Number: 132142
List Number: 2
Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132196-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/17/2022 4:11:31 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-132196-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132196-2

Receipt
The samples were received on 1/13/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.3º C, 2.8º C and 3.5º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A50C (180-132196-21), SSHS-IRM5A2-A2-A51C (180-132196-24), SSHS-IRM5A2-A2-A52C (180-132196-27), and SSHS-IRM5A2-A2-DUP11C (180-132196-30). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132196-3	SSHS-IRM5A2-A2-A44C	Solid	01/11/22 10:00	01/13/22 10:15
180-132196-6	SSHS-IRM5A2-A2-A45C	Solid	01/11/22 10:20	01/13/22 10:15
180-132196-9	SSHS-IRM5A2-A2-A46C	Solid	01/11/22 10:30	01/13/22 10:15
180-132196-12	SSHS-IRM5A2-A2-A47C	Solid	01/11/22 10:45	01/13/22 10:15
180-132196-15	SSHS-IRM5A2-A2-A48C	Solid	01/11/22 11:40	01/13/22 10:15
180-132196-18	SSHS-IRM5A2-A2-A49C	Solid	01/11/22 14:30	01/13/22 10:15
180-132196-21	SSHS-IRM5A2-A2-A50C	Solid	01/11/22 14:45	01/13/22 10:15
180-132196-24	SSHS-IRM5A2-A2-A51C	Solid	01/11/22 15:00	01/13/22 10:15
180-132196-27	SSHS-IRM5A2-A2-A52C	Solid	01/11/22 15:30	01/13/22 10:15
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Solid	01/11/22 00:00	01/13/22 10:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

Client Sample ID: SSHS-IRM5A2-A2-A44C
Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/14/22 22:22	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A45C
Lab Sample ID: 180-132196-6
Date Collected: 01/11/22 10:20
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/14/22 22:52	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A46C
Lab Sample ID: 180-132196-9
Date Collected: 01/11/22 10:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/14/22 23:02	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A47C
Lab Sample ID: 180-132196-12
Date Collected: 01/11/22 10:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/14/22 23:12	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A48C
Lab Sample ID: 180-132196-15
Date Collected: 01/11/22 11:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.35 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/14/22 23:22	S1M	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A49C — Lab Sample ID: 180-132196-18

Date Collected: 01/11/22 14:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/14/22 23:32	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A50C — Lab Sample ID: 180-132196-21

Date Collected: 01/11/22 14:45 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 90.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.38 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 00:03	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A51C — Lab Sample ID: 180-132196-24

Date Collected: 01/11/22 15:00 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 86.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 00:13	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A52C — Lab Sample ID: 180-132196-27

Date Collected: 01/11/22 15:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 82.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 00:23	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-DUP11C — Lab Sample ID: 180-132196-30

Date Collected: 01/11/22 00:00 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.30 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 00:33	S1M	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

Analyst References:

Lab: TAL SAC

Batch Type: Prep

NSS = Nikita Singh

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A44C
Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorooctanesulfonic acid (PFOS)	**0.048**	**J**	0.21	0.044	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/14/22 04:50	01/14/22 22:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C5 PFPeA	*92*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C2 PFHxA	*87*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C4 PFHpA	*93*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C4 PFOA	*92*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C5 PFNA	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C2 PFDA	*93*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C2 PFUnA	*93*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C3 PFBS	*80*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
18O2 PFHxS	*80*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C4 PFOS	*83*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
13C8 FOSA	*91*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*
M2-8:2 FTS	*69*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:22*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

Client Sample ID: SSHS-IRM5A2-A2-A45C
Date Collected: 01/11/22 10:20
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-6
Matrix: Solid
Percent Solids: 89.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 22:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C5 PFPeA	*98*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C2 PFHxA	*98*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C4 PFHpA	*102*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C4 PFOA	*101*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C5 PFNA	*101*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C2 PFDA	*103*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C2 PFUnA	*103*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C2 PFDoA	*106*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C3 PFBS	*91*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
18O2 PFHxS	*90*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C4 PFOS	*97*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
13C8 FOSA	*100*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
M2-6:2 FTS	*81*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*
M2-8:2 FTS	*82*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:52*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

Client Sample ID: SSHS-IRM5A2-A2-A46C
Date Collected: 01/11/22 10:30
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-9
Matrix: Solid
Percent Solids: 93.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	01/14/22 04:50	01/14/22 23:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C5 PFPeA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C2 PFHxA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C4 PFOA	*99*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C5 PFNA	*97*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C2 PFDA	*97*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C2 PFUnA	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C2 PFDoA	*92*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C3 PFBS	*83*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
18O2 PFHxS	*79*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C4 PFOS	*84*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
13C8 FOSA	*92*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
M2-6:2 FTS	*70*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:02*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A47C
Lab Sample ID: 180-132196-12
Date Collected: 01/11/22 10:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 94.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.058**	**J**	0.20	0.046	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	01/14/22 04:50	01/14/22 23:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C5 PFPeA	*104*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C2 PFHxA	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C4 PFHpA	*108*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C4 PFOA	*101*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C5 PFNA	*105*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C2 PFDA	*105*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C2 PFUnA	*103*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C2 PFDoA	*100*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C3 PFBS	*82*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
18O2 PFHxS	*80*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C4 PFOS	*85*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
13C8 FOSA	*99*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:12*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A48C
Lab Sample ID: 180-132196-15
Date Collected: 01/11/22 11:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 92.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	01/14/22 04:50	01/14/22 23:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C5 PFPeA	*101*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C2 PFHxA	*99*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C4 PFHpA	*103*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C4 PFOA	*105*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C5 PFNA	*103*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C2 PFDA	*104*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C2 PFUnA	*101*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C2 PFDoA	*102*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C2 PFTeDA	*101*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C3 PFBS	*91*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
18O2 PFHxS	*88*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C4 PFOS	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
13C8 FOSA	*103*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
M2-6:2 FTS	*81*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:22*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A49C
Lab Sample ID: 180-132196-18
Date Collected: 01/11/22 14:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 92.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	01/14/22 04:50	01/14/22 23:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C5 PFPeA	*86*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C2 PFHxA	*83*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C4 PFHpA	*89*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C4 PFOA	*85*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C5 PFNA	*89*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C2 PFDA	*89*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C2 PFDoA	*85*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C3 PFBS	*80*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
18O2 PFHxS	*78*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C4 PFOS	*81*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
13C8 FOSA	*86*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
d5-NEtFOSAA	*90*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*01/14/22 04:50*	*01/14/22 23:32*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A50C
Lab Sample ID: 180-132196-21
Date Collected: 01/11/22 14:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 90.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.094**	**J**	0.21	0.047	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.080**	**J I**	0.21	0.044	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/14/22 04:50	01/15/22 00:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C5 PFPeA	*87*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C2 PFHxA	*87*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C4 PFHpA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C4 PFOA	*91*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C2 PFDA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C2 PFUnA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C2 PFDoA	*92*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C3 PFBS	*85*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
18O2 PFHxS	*77*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C4 PFOS	*82*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
13C8 FOSA	*91*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:03*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A51C
Lab Sample ID: 180-132196-24
Date Collected: 01/11/22 15:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 86.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.22**	**J**	0.23	0.052	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluoropentanoic acid (PFPeA)	**0.055**	**J**	0.23	0.046	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J I**	0.23	0.049	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.74**		0.23	0.054	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	01/14/22 04:50	01/15/22 00:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*63*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C2 PFHxA	*88*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C4 PFHpA	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C4 PFOA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C5 PFNA	*96*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C2 PFDA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C2 PFDoA	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C3 PFBS	*81*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
18O2 PFHxS	*78*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C4 PFOS	*83*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
13C8 FOSA	*92*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*
M2-8:2 FTS	*137*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:13*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A52C
Lab Sample ID: 180-132196-27
Date Collected: 01/11/22 15:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 82.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.22**	**J**	0.23	0.053	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluoropentanoic acid (PFPeA)	**0.060**	**J**	0.23	0.047	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.061	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorooctanesulfonic acid (PFOS)	**0.16**	**J I**	0.23	0.049	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	01/14/22 04:50	01/15/22 00:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C2 PFHxA	*89*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C4 PFHpA	*91*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C4 PFOA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C2 PFDA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C2 PFUnA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C2 PFDoA	*91*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C3 PFBS	*83*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
18O2 PFHxS	*82*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C4 PFOS	*85*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
13C8 FOSA	*91*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
M2-6:2 FTS	*127*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*
M2-8:2 FTS	*144*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:23*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-DUP11C
Lab Sample ID: 180-132196-30
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 84.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.20**	**J**	0.22	0.051	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluoropentanoic acid (PFPeA)	**0.062**	**J**	0.22	0.046	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J I**	0.22	0.048	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	01/14/22 04:50	01/15/22 00:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C5 PFPeA	*89*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C2 PFHxA	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C4 PFOA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C5 PFNA	*96*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C2 PFDA	*101*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C2 PFUnA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C2 PFDoA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C3 PFBS	*86*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
18O2 PFHxS	*82*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C4 PFOS	*86*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
13C8 FOSA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
M2-6:2 FTS	*121*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*
M2-8:2 FTS	*142*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:33*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-557979/1-A
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/14/22 04:50	01/14/22 22:01	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C5 PFPeA	*87*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFHxA	*89*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C4 PFHpA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C4 PFOA	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFDoA	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C3 PFBS	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
18O2 PFHxS	*91*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C4 PFOS	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C8 FOSA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-557979/2-A
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.83		ug/Kg		91	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.67		ug/Kg		83	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.72		ug/Kg		86	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.81		ug/Kg		90	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.86		ug/Kg		93	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.77		ug/Kg		89	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.83		ug/Kg		91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.59		ug/Kg		90	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.64		ug/Kg		90	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.72		ug/Kg		90	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.63		ug/Kg		88	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.67		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.95		ug/Kg		98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.85		ug/Kg		93	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.72		ug/Kg		86	72 - 132
6:2 FTS	1.90	1.91		ug/Kg		101	73 - 139
8:2 FTS	1.92	1.72		ug/Kg		90	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*72*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*97*		*25 - 150*
13C4 PFHpA	*100*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*94*		*25 - 150*
13C2 PFTeDA	*96*		*25 - 150*
13C3 PFBS	*95*		*25 - 150*
18O2 PFHxS	*95*		*25 - 150*
13C4 PFOS	*99*		*25 - 150*
13C8 FOSA	*96*		*25 - 150*
d3-NMeFOSAA	*86*		*25 - 150*
d5-NEtFOSAA	*97*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-557979/2-A
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557979

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*81*		*25 - 150*
M2-8:2 FTS	*88*		*25 - 150*

Lab Sample ID: 180-132196-3 MS
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 557979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		2.04	2.00		ug/Kg	☼	98	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.04	1.85		ug/Kg	☼	91	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.04	1.96		ug/Kg	☼	96	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.04	1.96		ug/Kg	☼	96	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.04	1.80		ug/Kg	☼	88	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.04	1.98		ug/Kg	☼	97	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.04	1.85		ug/Kg	☼	91	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.04	1.89		ug/Kg	☼	93	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.04	2.02		ug/Kg	☼	99	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.04	2.08		ug/Kg	☼	102	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.04	1.95		ug/Kg	☼	96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.80	1.54		ug/Kg	☼	86	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.85	1.75		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.94	1.79		ug/Kg	☼	92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.048	J	1.89	1.74		ug/Kg	☼	89	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.96	1.72		ug/Kg	☼	88	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.04	2.00		ug/Kg	☼	98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.04	1.98		ug/Kg	☼	97	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.04	1.93		ug/Kg	☼	95	72 - 132
6:2 FTS	ND		1.93	1.74		ug/Kg	☼	90	73 - 139
8:2 FTS	ND		1.95	2.00		ug/Kg	☼	102	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*90*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*94*		*25 - 150*
13C4 PFHpA	*98*		*25 - 150*
13C4 PFOA	*103*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*98*		*25 - 150*
13C2 PFUnA	*100*		*25 - 150*
13C2 PFDoA	*94*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132196-3 MS **Client Sample ID: SSHS-IRM5A2-A2-A44C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 558198 **Prep Batch: 557979**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	96		25 - 150
13C3 PFBS	91		25 - 150
18O2 PFHxS	87		25 - 150
13C4 PFOS	94		25 - 150
13C8 FOSA	95		25 - 150
d3-NMeFOSAA	84		25 - 150
d5-NEtFOSAA	91		25 - 150
M2-6:2 FTS	82		25 - 150
M2-8:2 FTS	76		25 - 150

Lab Sample ID: 180-132196-3 MSD **Client Sample ID: SSHS-IRM5A2-A2-A44C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 558198 **Prep Batch: 557979**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.01	1.81		ug/Kg	☼	90	76 - 136	10	30
Perfluoropentanoic acid (PFPeA)	ND		2.01	1.74		ug/Kg	☼	86	69 - 129	6	30
Perfluorohexanoic acid (PFHxA)	ND		2.01	1.88		ug/Kg	☼	93	71 - 131	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.01	1.89		ug/Kg	☼	94	71 - 131	3	30
Perfluorooctanoic acid (PFOA)	ND		2.01	1.94		ug/Kg	☼	96	72 - 132	7	30
Perfluorononanoic acid (PFNA)	ND		2.01	1.90		ug/Kg	☼	95	73 - 133	4	30
Perfluorodecanoic acid (PFDA)	ND		2.01	1.73		ug/Kg	☼	86	72 - 132	7	30
Perfluoroundecanoic acid (PFUnA)	ND		2.01	1.93		ug/Kg	☼	96	66 - 126	2	30
Perfluorododecanoic acid (PFDoA)	ND		2.01	1.91		ug/Kg	☼	95	71 - 131	5	30
Perfluorotridecanoic acid (PFTriA)	ND		2.01	1.91		ug/Kg	☼	95	71 - 131	8	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.01	1.79		ug/Kg	☼	89	67 - 127	9	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.78	1.52		ug/Kg	☼	85	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.83	1.72		ug/Kg	☼	94	62 - 122	2	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.92	1.70		ug/Kg	☼	89	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	0.048	J	1.87	1.68		ug/Kg	☼	87	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.94	1.73		ug/Kg	☼	89	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)	ND		2.01	1.85		ug/Kg	☼	92	77 - 137	8	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.01	2.04		ug/Kg	☼	101	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.01	1.86		ug/Kg	☼	92	72 - 132	4	30
6:2 FTS	ND		1.91	1.64		ug/Kg	☼	86	73 - 139	6	30
8:2 FTS	ND		1.93	1.77		ug/Kg	☼	92	75 - 135	12	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	92		25 - 150
13C5 PFPeA	103		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132196-3 MSD
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 557979

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	97		25 - 150
13C4 PFHpA	103		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	104		25 - 150
13C2 PFDoA	104		25 - 150
13C2 PFTeDA	102		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	103		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	99		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	80		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-2

LCMS

Prep Batch: 557979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	SHAKE	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	SHAKE	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	SHAKE	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	SHAKE	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	SHAKE	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	SHAKE	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	SHAKE	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	SHAKE	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	SHAKE	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	SHAKE	
MB 320-557979/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-557979/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	SHAKE	
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	SHAKE	

Analysis Batch: 558198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	537 (modified)	557979
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	537 (modified)	557979
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	537 (modified)	557979
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	537 (modified)	557979
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	537 (modified)	557979
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	537 (modified)	557979
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	537 (modified)	557979
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	537 (modified)	557979
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	537 (modified)	557979
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	537 (modified)	557979
MB 320-557979/1-A	Method Blank	Total/NA	Solid	537 (modified)	557979
LCS 320-557979/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	557979
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	537 (modified)	557979
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	537 (modified)	557979

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A44A	1/11/22	1001	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A44B	1/11/22	1002	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A44C	1/11/22	1000	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A45A	1/11/22	1021	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A45B	1/11/22	1022	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A45C	1/11/22	1020	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A46A	1/11/22	1031	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A46B	1/11/22	1032	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A46C	1/11/22	1030	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A47A	1/11/22	1046	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A47B	1/11/22	1047	G	S	N	N	X												4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mon
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Mo...

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11 Jan 2022 1500	Geosyntec		1/13/22 1015	FedEx
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-132196 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A47C	1/11/22	1045	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A48A	1/11/22	1130	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48B	1/11/22	1135	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48C	1/11/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A49A	1/11/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49B	1/11/22	1425	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49C	1/11/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A50A	1/11/22	1435	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50B	1/11/22	1440	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50C	1/11/22	1445	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A51A	1/11/22	1450	G	S	N		N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	11/Jan/2022 1500	Geosyntec	[signature]	1/12/22 1015	EA Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A51B	1/11/22	1455	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A51C	1/11/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A52A	1/11/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A52B	1/11/22	1525	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A52C	1/11/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP11A	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11B	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11C	1/11/22	-	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/13/2022 1500	Geosyntec		1/13/22 1015	EUROFINS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-132196 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A44A	1/11/22	1001	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A44B	1/11/22	1002	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A44C	1/11/22	1000	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A45A	1/11/22	1021	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A45B	1/11/22	1022	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A45C	1/11/22	1020	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A46A	1/11/22	1031	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A46B	1/11/22	1032	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A46C	1/11/22	1030	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A47A	1/11/22	1046	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A47B	1/11/22	1047	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	1/13/2022 1600	GeoSyntec	Received by:	1/13/22 1020	EETCA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3°C

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A47C	1/11/22	1045	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A48A	1/11/22	1130	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48B	1/11/22	1135	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48C	1/11/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A49A	1/11/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49B	1/11/22	1425	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49C	1/11/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A50A	1/11/22	1435	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50B	1/11/22	1440	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50C	1/11/22	1445	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A51A	1/11/22	1450	G	S	N		N	X												4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alex Lafleur	11/3/22 1800	Geosyntec	[signature]	11/3/22 1020	BETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3°C

1150 50 1-13-22

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A51B	1/11/22	1455	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A51C	1/11/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A52A	1/11/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A52B	1/11/22	1525	G	S	N	N	X								4	
★ SSHS-IRM5A2-A2-A52C	1/11/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP11A	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11B	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11C	1/11/22	-	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/3/2022 1800	Geosyntec	[signature]	1/13/22 1020	EETCA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.3°c

★ ID error in S2c not AS2 SDi 1-13-22

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes



Job:_____

Tracking # : 7756 9058 2462

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-02 Corr. Factor: (+ / -) 0 °C

Ice ✓ Wet_____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.3 °C Corrected: 1.3 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: Q Date: 1/13/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SN Date: 1-13-22

Notes: 1/12/22

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 1-13-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132196-2

Login Number: 132196
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132196-2

Login Number: 132196
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 01/13/22 05:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132252-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/17/2022 4:24:25 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Job ID: 180-132252-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132252-2

Receipt
The samples were received on 1/13 and 14/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8º C, 2.8º C, 3.8º C and 3.8º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132252-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132252-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132252-3	SSHS-IRM5A2-A2-A53C	Solid	01/12/22 14:10	01/13/22 10:15
180-132252-6	SSHS-IRM5A2-A2-A54C	Solid	01/12/22 14:40	01/13/22 10:15
180-132252-9	SSHS-IRM5A2-A2-A55C	Solid	01/12/22 15:10	01/13/22 10:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Client Sample ID: SSHS-IRM5A2-A2-A53C

Lab Sample ID: 180-132252-3
Date Collected: 01/12/22 14:10
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 00:43	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A54C

Lab Sample ID: 180-132252-6
Date Collected: 01/12/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 00:53	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A55C

Lab Sample ID: 180-132252-9
Date Collected: 01/12/22 15:10
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	557979	01/14/22 04:50	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			558198	01/15/22 01:03	S1M	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

NSS = Nikita Singh

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Client Sample ID: SSHS-IRM5A2-A2-A53C
Date Collected: 01/12/22 14:10
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132252-3
Matrix: Solid
Percent Solids: 93.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	01/14/22 04:50	01/15/22 00:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C5 PFPeA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C2 PFHxA	*98*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C4 PFHpA	*105*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C4 PFOA	*103*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C5 PFNA	*101*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C2 PFDA	*106*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C2 PFUnA	*101*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C2 PFDoA	*100*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C3 PFBS	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
18O2 PFHxS	*88*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C4 PFOS	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
13C8 FOSA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:43*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Client Sample ID: SSHS-IRM5A2-A2-A54C
Date Collected: 01/12/22 14:40
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132252-6
Matrix: Solid
Percent Solids: 94.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	01/14/22 04:50	01/15/22 00:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C2 PFHxA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C4 PFOA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C2 PFDA	*100*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C2 PFUnA	*98*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C2 PFDoA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C3 PFBS	*89*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
18O2 PFHxS	*88*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C4 PFOS	*96*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
13C8 FOSA	*98*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*01/14/22 04:50*	*01/15/22 00:53*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Client Sample ID: SSHS-IRM5A2-A2-A55C
Date Collected: 01/12/22 15:10
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132252-9
Matrix: Solid
Percent Solids: 93.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	01/14/22 04:50	01/15/22 01:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C5 PFPeA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C2 PFHxA	*94*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C4 PFHpA	*100*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C4 PFOA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C5 PFNA	*97*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C2 PFDA	*100*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C2 PFUnA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C2 PFDoA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C3 PFBS	*78*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
18O2 PFHxS	*77*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C4 PFOS	*80*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
13C8 FOSA	*93*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*01/14/22 04:50*	*01/15/22 01:03*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-557979/1-A
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/14/22 04:50	01/14/22 22:01	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/14/22 04:50	01/14/22 22:01	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C5 PFPeA	*87*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFHxA	*89*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C4 PFHpA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C4 PFOA	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFDoA	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C3 PFBS	*96*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
18O2 PFHxS	*91*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C4 PFOS	*95*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
13C8 FOSA	*94*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*01/14/22 04:50*	*01/14/22 22:01*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-557979/2-A
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.83		ug/Kg		91	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.67		ug/Kg		83	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.72		ug/Kg		86	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.81		ug/Kg		90	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.86		ug/Kg		93	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.77		ug/Kg		89	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.83		ug/Kg		91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.59		ug/Kg		90	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.64		ug/Kg		90	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.72		ug/Kg		90	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.63		ug/Kg		88	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.67		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.95		ug/Kg		98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.85		ug/Kg		93	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.72		ug/Kg		86	72 - 132
6:2 FTS	1.90	1.91		ug/Kg		101	73 - 139
8:2 FTS	1.92	1.72		ug/Kg		90	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*72*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*97*		*25 - 150*
13C4 PFHpA	*100*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*94*		*25 - 150*
13C2 PFTeDA	*96*		*25 - 150*
13C3 PFBS	*95*		*25 - 150*
18O2 PFHxS	*95*		*25 - 150*
13C4 PFOS	*99*		*25 - 150*
13C8 FOSA	*96*		*25 - 150*
d3-NMeFOSAA	*86*		*25 - 150*
d5-NEtFOSAA	*97*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-557979/2-A
Matrix: Solid
Analysis Batch: 558198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557979

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	81		25 - 150
M2-8:2 FTS	88		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-2

LCMS

Prep Batch: 557979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	SHAKE	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	SHAKE	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	SHAKE	
MB 320-557979/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-557979/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 558198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	537 (modified)	557979
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	537 (modified)	557979
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	537 (modified)	557979
MB 320-557979/1-A	Method Blank	Total/NA	Solid	537 (modified)	557979
LCS 320-557979/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	557979

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

180-132252 Chain of Custody

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.			Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:		
City: Columbia	TAT Requested (days): 5 day		
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A53A	1/12/22	1400	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A53B	1/12/22	1405	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A53C	1/12/22	1410	C	S	N	N		X	X	X	X	X	X	X					5	Directed NOT received
SSHS-IRM5A2-A2-A54A	1/12/22	1430	G	S	N	N	X													
SSHS-IRM5A2-A2-A54B	1/12/22	1435	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A54C	1/12/22	1440	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A55A	1/12/22	1500	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A55B	1/12/22	1505	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A55C	1/12/22	1510	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				1/13/22 1015	EA Pit
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

1/17/2022

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

* = terracore rec. 1/14/22 due to FEDEX delay
D. Dunlap 1/15/22

180-132252 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A53A *	1/12/22	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A53B	1/12/22	1405	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A53C	1/12/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A54A *	1/12/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54B	1/12/22	1435	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54C	1/12/22	1440	C	S	N	N		X	X	X	X	X	X	X	5	Some terracore
SSHS-IRM5A2-A2-A55A *	1/12/22	1500	G	S	N	N	X								4	Rec'd today
SSHS-IRM5A2-A2-A55B	1/12/22	1505	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A55C	1/12/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ak Waheed	12/Jan/2022 1800	Geosyntec		1/14/22 930	Eurofins Pitt
2						
3						

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-132252 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A53A	1/12/22	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A53B	1/12/22	1405	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A53C	1/12/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A54A	1/12/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54B	1/12/22	1435	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54C	1/12/22	1440	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A55A	1/12/22	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A55B	1/12/22	1505	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A55C	1/12/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		12/[illegible]/22 [illegible]			1/13/22	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 166816 | Cooler Temperature(s) °C and Other Remarks: 1.8 c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes


180-132252 Field Sheet

Job: _____

Tracking # : 7756 9059 7167

SO / ~~PO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-01 Corr. Factor: (+ / -) _____ °C

Ice A Wet X Gel _____ Other _____

Cooler Custody Seal: 164616

Cooler ID: _____

Temp Observed: 1.6 °C Corrected: 1.6 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DV Date: 1/13/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 1-13-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 1-13-22

WR3-26C

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132252-2

Login Number: 132252
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132252-2

Login Number: 132252
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 01/13/22 06:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688816
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132142-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/18/2022 12:42:28 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-132142-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132142-1

Receipt
The samples were received on 1/11/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.8º C, 2.6º C and 4.4º C.

GC/MS VOA
Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A40B (180-132142-14) had several recoveries and the RPD between the spikes for 1,1-Dichloroethene above the control limits. The recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A37C (180-132142-6). Elevated reporting limits (RLs) are provided. The surrogates were diluted out in both dilutions..

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-384767 was above criteria for the following analyte: Hexachlorobutadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-385005 (CCVIS 180-385005/5) was below criteria for aroclor 1260 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A40C (180-132142-15) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132142-1	SSHS-IRM5A2-A2-A36A	Solid	01/10/22 12:00	01/11/22 10:30
180-132142-2	SSHS-IRM5A2-A2-A36B	Solid	01/10/22 12:00	01/11/22 10:30
180-132142-3	SSHS-IRM5A2-A2-A36C	Solid	01/10/22 12:00	01/11/22 10:30
180-132142-4	SSHS-IRM5A2-A2-A37A	Solid	01/10/22 12:20	01/11/22 10:30
180-132142-5	SSHS-IRM5A2-A2-A37B	Solid	01/10/22 12:20	01/11/22 10:30
180-132142-6	SSHS-IRM5A2-A2-A37C	Solid	01/10/22 12:20	01/11/22 10:30
180-132142-7	SSHS-IRM5A2-A2-A38A	Solid	01/10/22 12:40	01/11/22 10:30
180-132142-8	SSHS-IRM5A2-A2-A38B	Solid	01/10/22 12:40	01/11/22 10:30
180-132142-9	SSHS-IRM5A2-A2-A38C	Solid	01/10/22 12:40	01/11/22 10:30
180-132142-10	SSHS-IRM5A2-A2-A39A	Solid	01/10/22 14:10	01/11/22 10:30
180-132142-11	SSHS-IRM5A2-A2-A39B	Solid	01/10/22 14:10	01/11/22 10:30
180-132142-12	SSHS-IRM5A2-A2-A39C	Solid	01/10/22 14:10	01/11/22 10:30
180-132142-13	SSHS-IRM5A2-A2-A40A	Solid	01/10/22 14:30	01/11/22 10:30
180-132142-14	SSHS-IRM5A2-A2-A40B	Solid	01/10/22 14:30	01/11/22 10:30
180-132142-15	SSHS-IRM5A2-A2-A40C	Solid	01/10/22 14:30	01/11/22 10:30
180-132142-16	SSHS-IRM5A2-A2-A41A	Solid	01/10/22 15:20	01/11/22 10:30
180-132142-17	SSHS-IRM5A2-A2-A41B	Solid	01/10/22 15:20	01/11/22 10:30
180-132142-18	SSHS-IRM5A2-A2-A41C	Solid	01/10/22 15:20	01/11/22 10:30
180-132142-19	SSHS-IRM5A2-A2-A42A	Solid	01/10/22 15:40	01/11/22 10:30
180-132142-20	SSHS-IRM5A2-A2-A42B	Solid	01/10/22 15:40	01/11/22 10:30
180-132142-21	SSHS-IRM5A2-A2-A42C	Solid	01/10/22 15:40	01/11/22 10:30
180-132142-22	SSHS-IRM5A2-A2-A43A	Solid	01/10/22 15:50	01/11/22 10:30
180-132142-23	SSHS-IRM5A2-A2-A43B	Solid	01/10/22 15:50	01/11/22 10:30
180-132142-24	SSHS-IRM5A2-A2-A43C	Solid	01/10/22 15:50	01/11/22 10:30
180-132142-25	SSHS-IRM5A2-A2-DUP10A	Solid	01/10/22 00:00	01/11/22 10:30
180-132142-26	SSHS-IRM5A2-A2-DUP10B	Solid	01/10/22 00:00	01/11/22 10:30
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Solid	01/10/22 00:00	01/11/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A36A
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385060	01/13/22 11:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A36A
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-1
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1079 g	5 mL	385154	01/14/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385134	01/14/22 19:01	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A36B
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385060	01/13/22 12:19	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A36B
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-2
Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1979 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 14:19	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A36C
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A36C
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-3
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 17:17	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A36C

Lab Sample ID: 180-132142-3
Date Collected: 01/10/22 12:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 09:44	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.31 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 11:46	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:47	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:23	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:01	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A37A

Lab Sample ID: 180-132142-4
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385060	01/13/22 12:19	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A37A

Lab Sample ID: 180-132142-4
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9744 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 14:42	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A37B

Lab Sample ID: 180-132142-5
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A37B

Lab Sample ID: 180-132142-5
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9145 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 15:05	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A37C

Lab Sample ID: 180-132142-6
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A37C

Lab Sample ID: 180-132142-6
Date Collected: 01/10/22 12:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		30	1 mL	1 mL	384901	01/12/22 17:39	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541	DL		15.3 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL	DL	100	1 mL	1 mL	384767	01/12/22 13:56	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 10:03	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.50 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.66 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:48	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.55 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:24	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:03	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A38A
Lab Sample ID: 180-132142-7
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385060	01/13/22 12:19	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A38A
Lab Sample ID: 180-132142-7
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7343 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 15:29	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A38B
Lab Sample ID: 180-132142-8
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A38B
Lab Sample ID: 180-132142-8
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1361 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 15:52	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A38C
Lab Sample ID: 180-132142-9
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A38C
Lab Sample ID: 180-132142-9
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 18:01	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A38C

Lab Sample ID: 180-132142-9
Date Collected: 01/10/22 12:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 10:22	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.76 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:04	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.93 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:49	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:28	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:04	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A39A

Lab Sample ID: 180-132142-10
Date Collected: 01/10/22 14:10
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A39A

Lab Sample ID: 180-132142-10
Date Collected: 01/10/22 14:10
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1411 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 16:15	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A39B

Lab Sample ID: 180-132142-11
Date Collected: 01/10/22 14:10
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A39B — Lab Sample ID: 180-132142-11

Date Collected: 01/10/22 14:10 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0327 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 16:38	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A39C — Lab Sample ID: 180-132142-12

Date Collected: 01/10/22 14:10 — **Matrix: Solid**
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A39C — Lab Sample ID: 180-132142-12

Date Collected: 01/10/22 14:10 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 18:24	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 10:41	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.63 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:09	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:50	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.50 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:29	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:06	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A40A — Lab Sample ID: 180-132142-13

Date Collected: 01/10/22 14:30 — **Matrix: Solid**
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A40A
Lab Sample ID: 180-132142-13
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1648 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 12:25	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A40B
Lab Sample ID: 180-132142-14
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A40B
Lab Sample ID: 180-132142-14
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1061 g	5 mL	385154	01/14/22 10:27	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385134	01/14/22 10:51	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A40C
Lab Sample ID: 180-132142-15
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A40C
Lab Sample ID: 180-132142-15
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 16:09	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 08:29	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.24 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:13	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A40C
Lab Sample ID: 180-132142-15
Date Collected: 01/10/22 14:30
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.86 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:51	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:18	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:11	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A41A
Lab Sample ID: 180-132142-16
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A41A
Lab Sample ID: 180-132142-16
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.078 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 09:12	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A41B
Lab Sample ID: 180-132142-17
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A41B
Lab Sample ID: 180-132142-17
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4056 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 17:25	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A41C
Lab Sample ID: 180-132142-18
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A41C
Lab Sample ID: 180-132142-18
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 18:46	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 11:00	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.57 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:35	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.69 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:57	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:30	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:17	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A42A
Lab Sample ID: 180-132142-19
Date Collected: 01/10/22 15:40
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A42A
Lab Sample ID: 180-132142-19
Date Collected: 01/10/22 15:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1655 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 17:48	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A42B — Lab Sample ID: 180-132142-20

Date Collected: 01/10/22 15:40 — **Matrix: Solid**
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A42B — Lab Sample ID: 180-132142-20

Date Collected: 01/10/22 15:40 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 88.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1781 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 18:11	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A42C — Lab Sample ID: 180-132142-21

Date Collected: 01/10/22 15:40 — **Matrix: Solid**
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A42C — Lab Sample ID: 180-132142-21

Date Collected: 01/10/22 15:40 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 19:09	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 12:54	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.31 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:40	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:58	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:31	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:18	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A43A
Lab Sample ID: 180-132142-22
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A43A
Lab Sample ID: 180-132142-22
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2512 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 18:34	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A43B
Lab Sample ID: 180-132142-23
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A43B
Lab Sample ID: 180-132142-23
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0728 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 18:58	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A43C
Lab Sample ID: 180-132142-24
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A43C
Lab Sample ID: 180-132142-24
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 19:31	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A43C

Lab Sample ID: 180-132142-24
Date Collected: 01/10/22 15:50
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 11:19	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.63 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:54	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.84 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 08:59	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.47 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:32	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:20	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-DUP10A

Lab Sample ID: 180-132142-25
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP10A

Lab Sample ID: 180-132142-25
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9079 g	5 mL	385263	01/15/22 09:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385254	01/15/22 19:21	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP10B

Lab Sample ID: 180-132142-26
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385081	01/13/22 12:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-DUP10B
Lab Sample ID: 180-132142-26
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1228 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 09:35	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP10C
Lab Sample ID: 180-132142-27
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			384925	01/12/22 08:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP10C
Lab Sample ID: 180-132142-27
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	384874	01/12/22 05:27	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	384901	01/12/22 19:53	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	384892	01/12/22 08:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385001	01/13/22 05:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385003	01/13/22 05:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385005	01/13/22 11:38	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.78 g	100 mL	384849	01/11/22 13:34	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385128	01/13/22 12:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	384834	01/11/22 12:59	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			384939	01/12/22 09:00	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.52 g	100 mL	384937	01/12/22 09:33	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385094	01/13/22 15:33	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	384953	01/12/22 12:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385155	01/12/22 19:22	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RGM = Rebecca Manns
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - CMT = Cassandra Tlumac
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A36A
Lab Sample ID: 180-132142-1
Date Collected: 01/10/22 12:00 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 87.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Trichloroethene	**0.0025**	**J**	0.0056	0.0018	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	01/14/22 06:00	01/14/22 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*01/14/22 06:00*	*01/14/22 19:01*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*01/14/22 06:00*	*01/14/22 19:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*01/14/22 06:00*	*01/14/22 19:01*	*1*
Toluene-d8 (Surr)	*117*		*67 - 134*	*01/14/22 06:00*	*01/14/22 19:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.0**		0.1	0.1	%			01/13/22 11:28	1
Percent Solids	**87.0**		0.1	0.1	%			01/13/22 11:28	1

Client Sample ID: SSHS-IRM5A2-A2-A36B
Lab Sample ID: 180-132142-2
Date Collected: 01/10/22 12:00 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1

Client Sample ID: SSHS-IRM5A2-A2-A36B
Lab Sample ID: 180-132142-2
Date Collected: 01/10/22 12:00 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Trichloroethene	**0.0039**	**J**	0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/15/22 09:00	01/15/22 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/15/22 09:00*	*01/15/22 14:19*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*01/15/22 09:00*	*01/15/22 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*01/15/22 09:00*	*01/15/22 14:19*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*01/15/22 09:00*	*01/15/22 14:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.2**		0.1	0.1	%			01/13/22 12:19	1
Percent Solids	**88.8**		0.1	0.1	%			01/13/22 12:19	1

Client Sample ID: SSHS-IRM5A2-A2-A36C
Lab Sample ID: 180-132142-3
Date Collected: 01/10/22 12:00 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 91.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Acenaphthylene	ND		0.0073	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Anthracene	ND		0.0073	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Benzo[a]anthracene	ND		0.0073	0.0033	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A36C
Date Collected: 01/10/22 12:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-3
Matrix: Solid
Percent Solids: 91.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0073	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Benzo[b]fluoranthene	**0.0032**	**J**	0.0073	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Benzo[g,h,i]perylene	**0.0022**	**J**	0.0073	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Benzo[k]fluoranthene	ND		0.0073	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Chrysene	ND		0.0073	0.0041	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Dibenz(a,h)anthracene	ND		0.0073	0.0047	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Fluoranthene	**0.0047**	**J**	0.0073	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Indeno[1,2,3-cd]pyrene	ND		0.0073	0.0036	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Naphthalene	ND		0.0073	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Phenanthrene	**0.0025**	**J**	0.0073	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Pyrene	**0.0041**	**J**	0.0073	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*01/12/22 05:27*	*01/12/22 17:17*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*01/12/22 05:27*	*01/12/22 17:17*	*1*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*	*01/12/22 05:27*	*01/12/22 17:17*	*1*
Phenol-d5 (Surr)	*64*		*34 - 105*	*01/12/22 05:27*	*01/12/22 17:17*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*01/12/22 05:27*	*01/12/22 17:17*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*01/12/22 05:27*	*01/12/22 17:17*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/12/22 08:45	01/13/22 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*01/12/22 08:45*	*01/13/22 09:44*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*01/12/22 08:45*	*01/13/22 09:44*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A36C — Lab Sample ID: 180-132142-3

Date Collected: 01/10/22 12:00 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 91.2**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*01/12/22 08:45*	*01/13/22 09:44*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*01/12/22 08:45*	*01/13/22 09:44*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.9**		0.84	0.52	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Barium	**48**		17	3.0	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Beryllium	**0.29**	**J**	0.33	0.091	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Cadmium	**0.061**	**J**	0.42	0.061	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Chromium	**7.6**		0.42	0.38	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Copper	**20**		2.1	1.3	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Lead	**9.0**		0.84	0.73	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Manganese	**410**		1.3	0.23	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Nickel	**13**		3.3	0.42	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Selenium	ND		0.84	0.39	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Silver	ND		0.42	0.087	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1
Zinc	**51**		1.7	1.0	mg/Kg	☼	01/11/22 13:34	01/13/22 11:46	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	01/11/22 12:59	01/12/22 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**91.2**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/12/22 09:33	01/13/22 15:23	1
Cyanide, Total	ND		0.50	0.38	mg/Kg	☼	01/12/22 12:45	01/12/22 19:01	1

Client Sample ID: SSHS-IRM5A2-A2-A37A — Lab Sample ID: 180-132142-4

Date Collected: 01/10/22 12:20 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 87.1**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Carbon tetrachloride	ND		0.0058	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
cis-1,2-Dichloroethene	ND		0.0058	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,2-Dichlorobenzene	ND		0.0058	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,1-Dichloroethane	ND		0.0058	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A37A
Lab Sample ID: 180-132142-4
Date Collected: 01/10/22 12:20 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 87.1**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
sec-Butylbenzene	ND		0.0058	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Trichloroethene	**0.0038**	**J**	0.0058	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1
Xylenes, Total	ND		0.012	0.0083	mg/Kg	☼	01/15/22 09:00	01/15/22 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*01/15/22 09:00*	*01/15/22 14:42*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/15/22 09:00*	*01/15/22 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*01/15/22 09:00*	*01/15/22 14:42*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*01/15/22 09:00*	*01/15/22 14:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.9**		0.1	0.1	%			01/13/22 12:19	1
Percent Solids	**87.1**		0.1	0.1	%			01/13/22 12:19	1

Client Sample ID: SSHS-IRM5A2-A2-A37B
Lab Sample ID: 180-132142-5
Date Collected: 01/10/22 12:20 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 84.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0047	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Benzene	ND		0.0060	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
2-Butanone (MEK)	ND		0.0060	0.0030	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Carbon tetrachloride	ND		0.0060	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Chlorobenzene	ND		0.0060	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Chloroform	ND		0.0060	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
cis-1,2-Dichloroethene	ND		0.0060	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,2-Dichlorobenzene	ND		0.0060	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,3-Dichlorobenzene	ND		0.0060	0.0037	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,4-Dichlorobenzene	ND		0.0060	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,1-Dichloroethane	ND		0.0060	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,2-Dichloroethane	ND		0.0060	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,1-Dichloroethene	ND		0.0060	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Ethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Methylene Chloride	ND		0.0060	0.0054	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Methyl tert-butyl ether	ND		0.0060	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1

Client Sample ID: SSHS-IRM5A2-A2-A37B
Lab Sample ID: 180-132142-5
Date Collected: 01/10/22 12:20 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 84.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
N-Propylbenzene	ND		0.0060	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
sec-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
tert-Butylbenzene	ND		0.0060	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Tetrachloroethene	ND		0.0060	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Toluene	ND		0.0060	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
trans-1,2-Dichloroethene	ND		0.0060	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,1,1-Trichloroethane	ND		0.0060	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Trichloroethene	**0.0023**	**J**	0.0060	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
1,3,5-Trimethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Vinyl chloride	ND		0.0060	0.0043	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1
Xylenes, Total	ND		0.012	0.0086	mg/Kg	☼	01/15/22 09:00	01/15/22 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*01/15/22 09:00*	*01/15/22 15:05*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*01/15/22 09:00*	*01/15/22 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*01/15/22 09:00*	*01/15/22 15:05*	*1*
Toluene-d8 (Surr)	*121*		*67 - 134*	*01/15/22 09:00*	*01/15/22 15:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.2**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**84.8**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A37C
Lab Sample ID: 180-132142-6
Date Collected: 01/10/22 12:20 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 87.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**8.4**		0.23	0.065	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Acenaphthylene	**0.49**		0.23	0.049	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Anthracene	**21**		0.23	0.058	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Benzo[a]anthracene	**30**		0.23	0.10	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Benzo[a]pyrene	**23**		0.23	0.098	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Benzo[b]fluoranthene	**23**		0.23	0.055	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Benzo[g,h,i]perylene	**11**		0.23	0.049	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Benzo[k]fluoranthene	**12**		0.23	0.068	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Chrysene	**24**		0.23	0.13	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Dibenz(a,h)anthracene	**3.7**		0.23	0.14	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Dibenzofuran	**7.2**		1.1	0.42	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
2,4-Dinitrotoluene	ND		1.1	0.67	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
1,4-Dioxane	ND		2.3	0.35	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Fluoranthene	**59**	**E**	0.23	0.059	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Fluorene	**9.8**		0.23	0.044	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Hexachlorobenzene	ND		0.23	0.081	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Hexachlorobutadiene	ND		0.23	0.066	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Hexachloroethane	ND		1.1	0.40	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Indeno[1,2,3-cd]pyrene	**12**		0.23	0.11	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-A37C
Date Collected: 01/10/22 12:20
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-6
Matrix: Solid
Percent Solids: 87.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		1.1	0.32	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Methylphenol, 3 & 4	ND		1.1	0.33	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Naphthalene	**8.5**		0.23	0.044	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Nitrobenzene	ND		2.3	0.41	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Pentachlorophenol	ND		5.7	1.8	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Phenanthrene	**59**	**E**	0.23	0.060	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Phenol	ND		1.1	0.34	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Pyrene	**46**	**E**	0.23	0.053	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
Pyridine	ND		2.3	0.61	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
2,4,5-Trichlorophenol	ND		1.1	0.39	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30
2,4,6-Trichlorophenol	ND		1.1	0.38	mg/Kg	☼	01/12/22 05:27	01/12/22 17:39	30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D S1-*	*35 - 105*	*01/12/22 05:27*	*01/12/22 17:39*	*30*
2-Fluorophenol (Surr)	*0*	*D S1-*	*32 - 105*	*01/12/22 05:27*	*01/12/22 17:39*	*30*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*34 - 109*	*01/12/22 05:27*	*01/12/22 17:39*	*30*
Phenol-d5 (Surr)	*0*	*D S1-*	*34 - 105*	*01/12/22 05:27*	*01/12/22 17:39*	*30*
Terphenyl-d14 (Surr)	*0*	*D S1-*	*20 - 117*	*01/12/22 05:27*	*01/12/22 17:39*	*30*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*20 - 119*	*01/12/22 05:27*	*01/12/22 17:39*	*30*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**10**		0.75	0.22	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Acenaphthylene	**0.51**	**J**	0.75	0.16	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Anthracene	**22**		0.75	0.19	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Benzo[a]anthracene	**32**		0.75	0.34	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Benzo[a]pyrene	**24**		0.75	0.33	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Benzo[b]fluoranthene	**30**		0.75	0.18	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Benzo[g,h,i]perylene	**13**		0.75	0.16	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Benzo[k]fluoranthene	**11**		0.75	0.23	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Chrysene	**27**		0.75	0.42	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Dibenz(a,h)anthracene	**4.6**		0.75	0.48	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Dibenzofuran	**7.9**		3.7	1.4	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
2,4-Dinitrotoluene	ND		3.7	2.2	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
1,4-Dioxane	ND		7.5	1.2	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Fluoranthene	**54**		0.75	0.20	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Fluorene	**11**		0.75	0.15	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Hexachlorobenzene	ND		0.75	0.27	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Hexachlorobutadiene	ND		0.75	0.22	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Hexachloroethane	ND		3.7	1.3	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Indeno[1,2,3-cd]pyrene	**14**		0.75	0.37	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
2-Methylphenol	ND		3.7	1.1	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Methylphenol, 3 & 4	ND		3.7	1.1	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Naphthalene	**9.2**		0.75	0.15	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Nitrobenzene	ND		7.5	1.4	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Pentachlorophenol	ND		19	6.0	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Phenanthrene	**61**		0.75	0.20	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Phenol	ND		3.7	1.1	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Pyrene	**48**		0.75	0.18	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
Pyridine	ND		7.5	2.0	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100

Client Sample ID: SSHS-IRM5A2-A2-A37C **Lab Sample ID: 180-132142-6**
Date Collected: 01/10/22 12:20 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 87.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3.7	1.3	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100
2,4,6-Trichlorophenol	ND		3.7	1.3	mg/Kg	☼	01/12/22 05:27	01/12/22 13:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D S1-*	*35 - 105*	*01/12/22 05:27*	*01/12/22 13:56*	*100*
2-Fluorophenol (Surr)	*0*	*D S1-*	*32 - 105*	*01/12/22 05:27*	*01/12/22 13:56*	*100*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*34 - 109*	*01/12/22 05:27*	*01/12/22 13:56*	*100*
Phenol-d5 (Surr)	*0*	*D S1-*	*34 - 105*	*01/12/22 05:27*	*01/12/22 13:56*	*100*
Terphenyl-d14 (Surr)	*0*	*D S1-*	*20 - 117*	*01/12/22 05:27*	*01/12/22 13:56*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*20 - 119*	*01/12/22 05:27*	*01/12/22 13:56*	*100*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1248	**1.1**		0.019	0.0046	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1254	**0.74**		0.019	0.0057	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	01/12/22 08:45	01/13/22 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*01/12/22 08:45*	*01/13/22 10:03*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*01/12/22 08:45*	*01/13/22 10:03*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*01/12/22 08:45*	*01/13/22 10:03*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*01/12/22 08:45*	*01/13/22 10:03*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		0.77	0.48	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Barium	**50**		15	2.7	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Beryllium	**0.32**		0.31	0.083	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Cadmium	**0.12**	**J**	0.38	0.056	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Chromium	**15**		0.38	0.35	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Copper	**48**		1.9	1.2	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Lead	**20**		0.77	0.67	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Manganese	**340**		1.1	0.21	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Nickel	**14**		3.1	0.39	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Selenium	ND		0.77	0.35	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Silver	ND		0.38	0.080	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1
Zinc	**61**		1.5	0.91	mg/Kg	☼	01/11/22 13:34	01/13/22 12:00	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.034	0.022	mg/Kg	☼	01/11/22 12:59	01/12/22 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.0**		0.1	0.1	%			01/12/22 08:42	1

Client Sample ID: SSHS-IRM5A2-A2-A37C
Lab Sample ID: 180-132142-6
Date Collected: 01/10/22 12:20 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 87.0**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**87.0**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	**0.33**	**J**	0.45	0.24	mg/Kg	☼	01/12/22 09:33	01/13/22 15:24	1
Cyanide, Total	ND		0.46	0.35	mg/Kg	☼	01/12/22 12:45	01/12/22 19:03	1

Client Sample ID: SSHS-IRM5A2-A2-A38A
Lab Sample ID: 180-132142-7
Date Collected: 01/10/22 12:40 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0047	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Benzene	ND		0.0060	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
2-Butanone (MEK)	ND		0.0060	0.0030	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Carbon tetrachloride	ND		0.0060	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Chlorobenzene	ND		0.0060	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Chloroform	ND		0.0060	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
cis-1,2-Dichloroethene	ND		0.0060	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,2-Dichlorobenzene	ND		0.0060	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,3-Dichlorobenzene	ND		0.0060	0.0037	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,4-Dichlorobenzene	ND		0.0060	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,1-Dichloroethane	ND		0.0060	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,2-Dichloroethane	ND		0.0060	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,1-Dichloroethene	ND		0.0060	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Ethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Methylene Chloride	ND		0.0060	0.0054	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Methyl tert-butyl ether	ND		0.0060	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
n-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
N-Propylbenzene	ND		0.0060	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
sec-Butylbenzene	ND		0.0060	0.0029	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
tert-Butylbenzene	ND		0.0060	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Tetrachloroethene	ND		0.0060	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Toluene	ND		0.0060	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
trans-1,2-Dichloroethene	ND		0.0060	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,1,1-Trichloroethane	ND		0.0060	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Trichloroethene	**0.0038**	**J**	0.0060	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
1,3,5-Trimethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Vinyl chloride	ND		0.0060	0.0043	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1
Xylenes, Total	ND		0.012	0.0086	mg/Kg	☼	01/15/22 09:00	01/15/22 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*01/15/22 09:00*	*01/15/22 15:29*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*01/15/22 09:00*	*01/15/22 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*01/15/22 09:00*	*01/15/22 15:29*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*01/15/22 09:00*	*01/15/22 15:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		0.1	0.1	%			01/13/22 12:19	1

Client Sample ID: SSHS-IRM5A2-A2-A38A
Lab Sample ID: 180-132142-7
Date Collected: 01/10/22 12:40 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.3**

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.3		0.1	0.1	%			01/13/22 12:19	1

Client Sample ID: SSHS-IRM5A2-A2-A38B
Lab Sample ID: 180-132142-8
Date Collected: 01/10/22 12:40 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 87.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Chlorobenzene	ND		0.0056	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
tert-Butylbenzene	ND		0.0056	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
trans-1,2-Dichloroethene	ND		0.0056	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Trichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	01/15/22 09:00	01/15/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/15/22 09:00*	*01/15/22 15:52*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*01/15/22 09:00*	*01/15/22 15:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*01/15/22 09:00*	*01/15/22 15:52*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/15/22 09:00*	*01/15/22 15:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.4		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	87.6		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A38C
Date Collected: 01/10/22 12:40
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-9
Matrix: Solid
Percent Solids: 89.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.076**		0.0074	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Acenaphthylene	**0.083**		0.0074	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Anthracene	**0.22**		0.0074	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Benzo[a]anthracene	**0.56**		0.0074	0.0033	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Benzo[a]pyrene	**0.50**		0.0074	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Benzo[b]fluoranthene	**0.61**		0.0074	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Benzo[g,h,i]perylene	**0.34**		0.0074	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Benzo[k]fluoranthene	**0.21**		0.0074	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Chrysene	**0.53**		0.0074	0.0041	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Dibenz(a,h)anthracene	**0.10**		0.0074	0.0047	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Dibenzofuran	**0.040**		0.036	0.014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
1,4-Dioxane	ND		0.074	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Fluoranthene	**0.98**		0.0074	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Fluorene	**0.075**		0.0074	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Indeno[1,2,3-cd]pyrene	**0.33**		0.0074	0.0037	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Methylphenol, 3 & 4	**0.016**	**J**	0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Naphthalene	**0.037**		0.0074	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Nitrobenzene	ND		0.074	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Phenanthrene	**0.61**		0.0074	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Pyrene	**0.87**		0.0074	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*01/12/22 05:27*	*01/12/22 18:01*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*01/12/22 05:27*	*01/12/22 18:01*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*01/12/22 05:27*	*01/12/22 18:01*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*01/12/22 05:27*	*01/12/22 18:01*	*1*
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*01/12/22 05:27*	*01/12/22 18:01*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*01/12/22 05:27*	*01/12/22 18:01*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1248	**0.27**		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1254	**0.17**		0.018	0.0054	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/12/22 08:45	01/13/22 10:22	1

Client Sample ID: SSHS-IRM5A2-A2-A38C
Lab Sample ID: 180-132142-9
Date Collected: 01/10/22 12:40 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 89.4**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*01/12/22 08:45*	*01/13/22 10:22*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*01/12/22 08:45*	*01/13/22 10:22*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*01/12/22 08:45*	*01/13/22 10:22*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*01/12/22 08:45*	*01/13/22 10:22*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.7**		0.64	0.40	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Barium	**44**		13	2.3	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Beryllium	**0.30**		0.25	0.069	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Cadmium	**0.062**	**J**	0.32	0.047	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Chromium	**8.1**		0.32	0.29	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Copper	**30**		1.6	0.96	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Lead	**16**		0.64	0.55	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Manganese	**340**		0.95	0.18	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Nickel	**15**		2.5	0.32	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Selenium	**0.30**	**J**	0.64	0.29	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Silver	ND		0.32	0.066	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1
Zinc	**54**		1.3	0.76	mg/Kg	☼	01/11/22 13:34	01/13/22 12:04	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.024	0.015	mg/Kg	☼	01/11/22 12:59	01/12/22 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.6**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**89.4**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/12/22 09:33	01/13/22 15:28	1
Cyanide, Total	ND		0.56	0.42	mg/Kg	☼	01/12/22 12:45	01/12/22 19:04	1

Client Sample ID: SSHS-IRM5A2-A2-A39A
Lab Sample ID: 180-132142-10
Date Collected: 01/10/22 14:10 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 90.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1

Client Sample ID: SSHS-IRM5A2-A2-A39A
Lab Sample ID: 180-132142-10
Date Collected: 01/10/22 14:10 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 90.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/15/22 09:00	01/15/22 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/15/22 09:00*	*01/15/22 16:15*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*01/15/22 09:00*	*01/15/22 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*01/15/22 09:00*	*01/15/22 16:15*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*01/15/22 09:00*	*01/15/22 16:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.0**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**90.0**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A39B
Lab Sample ID: 180-132142-11
Date Collected: 01/10/22 14:10 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 89.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Carbon tetrachloride	ND		0.0055	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Ethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1

Client Sample ID: SSHS-IRM5A2-A2-A39B — Lab Sample ID: 180-132142-11

Date Collected: 01/10/22 14:10 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 89.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,1,1-Trichloroethane	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	01/15/22 09:00	01/15/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/15/22 09:00*	*01/15/22 16:38*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/15/22 09:00*	*01/15/22 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*01/15/22 09:00*	*01/15/22 16:38*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*01/15/22 09:00*	*01/15/22 16:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.4**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**89.6**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A39C — Lab Sample ID: 180-132142-12

Date Collected: 01/10/22 14:10 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Acenaphthylene	**0.0029**	**J**	0.0074	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Anthracene	ND		0.0074	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Benzo[a]anthracene	**0.0034**	**J**	0.0074	0.0033	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Benzo[a]pyrene	**0.0036**	**J**	0.0074	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Benzo[b]fluoranthene	**0.0044**	**J**	0.0074	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Benzo[g,h,i]perylene	**0.0033**	**J**	0.0074	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Benzo[k]fluoranthene	ND		0.0074	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Chrysene	ND		0.0074	0.0041	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Dibenz(a,h)anthracene	ND		0.0074	0.0047	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Fluoranthene	**0.0049**	**J**	0.0074	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A39C
Lab Sample ID: 180-132142-12
Date Collected: 01/10/22 14:10
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0074	0.0037	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Naphthalene	**0.0019**	**J**	0.0074	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Phenanthrene	**0.0030**	**J**	0.0074	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Pyrene	**0.0049**	**J**	0.0074	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*35 - 105*	*01/12/22 05:27*	*01/12/22 18:24*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*01/12/22 05:27*	*01/12/22 18:24*	*1*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*01/12/22 05:27*	*01/12/22 18:24*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*01/12/22 05:27*	*01/12/22 18:24*	*1*
Terphenyl-d14 (Surr)	*54*		*20 - 117*	*01/12/22 05:27*	*01/12/22 18:24*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*20 - 119*	*01/12/22 05:27*	*01/12/22 18:24*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1248	**0.013**	**J**	0.018	0.0043	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1254	**0.0099**	**J**	0.018	0.0054	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/12/22 08:45	01/13/22 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*01/12/22 08:45*	*01/13/22 10:41*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*01/12/22 08:45*	*01/13/22 10:41*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*01/12/22 08:45*	*01/13/22 10:41*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*01/12/22 08:45*	*01/13/22 10:41*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.2**		0.68	0.43	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Barium	**43**		14	2.4	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Beryllium	**0.27**		0.27	0.074	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Cadmium	**0.067**	**J**	0.34	0.050	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Chromium	**7.4**		0.34	0.31	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Copper	**22**		1.7	1.0	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Lead	**9.3**		0.68	0.59	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Manganese	**360**		1.0	0.19	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Nickel	**16**		2.7	0.34	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1

Client Sample ID: SSHS-IRM5A2-A2-A39C
Lab Sample ID: 180-132142-12
Date Collected: 01/10/22 14:10 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 90.3**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.68	0.31	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Silver	ND		0.34	0.071	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1
Zinc	**52**		1.4	0.81	mg/Kg	☼	01/11/22 13:34	01/13/22 12:09	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	01/11/22 12:59	01/12/22 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**90.3**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	01/12/22 09:33	01/13/22 15:29	1
Cyanide, Total	ND		0.44	0.34	mg/Kg	☼	01/12/22 12:45	01/12/22 19:06	1

Client Sample ID: SSHS-IRM5A2-A2-A40A
Lab Sample ID: 180-132142-13
Date Collected: 01/10/22 14:30 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
cis-1,2-Dichloroethene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1

Client Sample ID: SSHS-IRM5A2-A2-A40A
Lab Sample ID: 180-132142-13
Date Collected: 01/10/22 14:30 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/15/22 09:00	01/15/22 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/15/22 09:00*	*01/15/22 12:25*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*01/15/22 09:00*	*01/15/22 12:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*01/15/22 09:00*	*01/15/22 12:25*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/15/22 09:00*	*01/15/22 12:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**88.6**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A40B
Lab Sample ID: 180-132142-14
Date Collected: 01/10/22 14:30 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 89.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	0.022	0.0043	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
2-Butanone (MEK)	ND	F1	0.0055	0.0028	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,1-Dichloroethene	ND	F2	0.0055	0.0025	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Tetrachloroethene	ND	F1	0.0055	0.0022	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/14/22 10:27	01/14/22 10:51	1

Client Sample ID: SSHS-IRM5A2-A2-A40B — Lab Sample ID: 180-132142-14

Date Collected: 01/10/22 14:30 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 89.3**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*01/14/22 10:27*	*01/14/22 10:51*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*01/14/22 10:27*	*01/14/22 10:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*01/14/22 10:27*	*01/14/22 10:51*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*01/14/22 10:27*	*01/14/22 10:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**89.3**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A40C — Lab Sample ID: 180-132142-15

Date Collected: 01/10/22 14:30 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 92.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Acenaphthylene	**0.0022**	**J**	0.0070	0.0015	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Benzo[a]anthracene	**0.0034**	**J**	0.0070	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Benzo[a]pyrene	**0.0031**	**J**	0.0070	0.0030	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Benzo[b]fluoranthene	**0.0049**	**J**	0.0070	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Benzo[g,h,i]perylene	**0.0029**	**J**	0.0070	0.0015	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Fluoranthene	**0.0041**	**J**	0.0070	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Phenanthrene	**0.0021**	**J**	0.0070	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Pyrene	**0.0049**	**J**	0.0070	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*69*		*35 - 105*	*01/12/22 05:27*	*01/12/22 16:09*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*01/12/22 05:27*	*01/12/22 16:09*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*01/12/22 05:27*	*01/12/22 16:09*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A40C
Lab Sample ID: 180-132142-15
Date Collected: 01/10/22 14:30 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 92.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*71*		*34 - 105*	*01/12/22 05:27*	*01/12/22 16:09*	*1*
Terphenyl-d14 (Surr)	*73*		*20 - 117*	*01/12/22 05:27*	*01/12/22 16:09*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 119*	*01/12/22 05:27*	*01/12/22 16:09*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0057	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1221	ND		0.018	0.0062	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1248	**0.015**	**J**	0.018	0.0042	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1254	**0.026**		0.018	0.0053	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/12/22 08:45	01/13/22 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*01/12/22 08:45*	*01/13/22 08:29*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*01/12/22 08:45*	*01/13/22 08:29*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*01/12/22 08:45*	*01/13/22 08:29*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*01/12/22 08:45*	*01/13/22 08:29*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.8**		0.88	0.55	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Barium	**41**	**F1**	18	3.1	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Beryllium	**0.27**	**J F1**	0.35	0.095	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Cadmium	**0.095**	**J**	0.44	0.064	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Chromium	**7.8**	**F1**	0.44	0.40	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Copper	**19**		2.2	1.3	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Lead	**7.0**	**F1**	0.88	0.76	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Manganese	**470**	**F2**	1.3	0.24	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Nickel	**13**	**F1**	3.5	0.44	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Selenium	ND		0.88	0.40	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Silver	ND		0.44	0.091	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1
Zinc	**73**	**F2 F1**	1.8	1.0	mg/Kg	☼	01/11/22 13:34	01/13/22 12:13	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.025	0.016	mg/Kg	☼	01/11/22 12:59	01/12/22 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.9**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**92.1**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	01/12/22 09:33	01/13/22 15:18	1
Cyanide, Total	ND		0.49	0.38	mg/Kg	☼	01/12/22 12:45	01/12/22 19:11	1

Client Sample ID: SSHS-IRM5A2-A2-A41A

Lab Sample ID: 180-132142-16

Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 88.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Chlorobenzene	ND		0.0056	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
tert-Butylbenzene	ND		0.0056	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
trans-1,2-Dichloroethene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Trichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	01/18/22 06:00	01/18/22 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*01/18/22 06:00*	*01/18/22 09:12*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*01/18/22 06:00*	*01/18/22 09:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*01/18/22 06:00*	*01/18/22 09:12*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*01/18/22 06:00*	*01/18/22 09:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.5**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**88.5**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A41B

Lab Sample ID: 180-132142-17

Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0040	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1

Client Sample ID: SSHS-IRM5A2-A2-A41B

Lab Sample ID: 180-132142-17
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,3-Dichlorobenzene	ND		0.0051	0.0031	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
tert-Butylbenzene	ND		0.0051	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Tetrachloroethene	ND		0.0051	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	01/15/22 09:00	01/15/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*01/15/22 09:00*	*01/15/22 17:25*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/15/22 09:00*	*01/15/22 17:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*01/15/22 09:00*	*01/15/22 17:25*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*01/15/22 09:00*	*01/15/22 17:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.1**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**90.9**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A41C

Lab Sample ID: 180-132142-18
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0072**		0.0072	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Acenaphthylene	**0.043**		0.0072	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Anthracene	**0.036**		0.0072	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Benzo[a]anthracene	**0.062**		0.0072	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-132142-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A41C
Lab Sample ID: 180-132142-18
Date Collected: 01/10/22 15:20
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.067**		0.0072	0.0031	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Benzo[b]fluoranthene	**0.097**		0.0072	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Benzo[g,h,i]perylene	**0.071**		0.0072	0.0015	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Benzo[k]fluoranthene	**0.030**		0.0072	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Chrysene	**0.069**		0.0072	0.0040	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Dibenz(a,h)anthracene	**0.020**		0.0072	0.0046	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Fluoranthene	**0.10**		0.0072	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Fluorene	**0.0082**		0.0072	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Indeno[1,2,3-cd]pyrene	**0.062**		0.0072	0.0036	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Naphthalene	**0.014**		0.0072	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Phenanthrene	**0.055**		0.0072	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Pyrene	**0.10**		0.0072	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*01/12/22 05:27*	*01/12/22 18:46*	*1*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*01/12/22 05:27*	*01/12/22 18:46*	*1*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*01/12/22 05:27*	*01/12/22 18:46*	*1*
Phenol-d5 (Surr)	*62*		*34 - 105*	*01/12/22 05:27*	*01/12/22 18:46*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*01/12/22 05:27*	*01/12/22 18:46*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*20 - 119*	*01/12/22 05:27*	*01/12/22 18:46*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1248	**0.037**		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1254	**0.013**	**J**	0.018	0.0055	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	01/12/22 08:45	01/13/22 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*01/12/22 08:45*	*01/13/22 11:00*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*01/12/22 08:45*	*01/13/22 11:00*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A41C — Lab Sample ID: 180-132142-18

Date Collected: 01/10/22 15:20 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.7**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*01/12/22 08:45*	*01/13/22 11:00*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*01/12/22 08:45*	*01/13/22 11:00*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.70	0.44	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Barium	**44**		14	2.5	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Beryllium	**0.26**	**J**	0.28	0.077	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Cadmium	**0.061**	**J**	0.35	0.052	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Chromium	**7.2**		0.35	0.32	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Copper	**18**		1.8	1.1	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Lead	**8.3**		0.70	0.61	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Manganese	**320**		1.1	0.20	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Nickel	**13**		2.8	0.35	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Selenium	**0.36**	**J**	0.70	0.32	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Silver	ND		0.35	0.073	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1
Zinc	**52**		1.4	0.84	mg/Kg	☼	01/11/22 13:34	01/13/22 12:35	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	01/11/22 12:59	01/12/22 08:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.3**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**90.7**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	01/12/22 09:33	01/13/22 15:30	1
Cyanide, Total	ND		0.44	0.34	mg/Kg	☼	01/12/22 12:45	01/12/22 19:17	1

Client Sample ID: SSHS-IRM5A2-A2-A42A — Lab Sample ID: 180-132142-19

Date Collected: 01/10/22 15:40 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 90.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1

Client Sample ID: SSHS-IRM5A2-A2-A42A

Lab Sample ID: 180-132142-19

Date Collected: 01/10/22 15:40
Date Received: 01/11/22 10:30

Matrix: Solid
Percent Solids: 90.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
tert-Butylbenzene	ND		0.0053	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	01/15/22 09:00	01/15/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*01/15/22 09:00*	*01/15/22 17:48*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*01/15/22 09:00*	*01/15/22 17:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*01/15/22 09:00*	*01/15/22 17:48*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/15/22 09:00*	*01/15/22 17:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**90.8**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A42B

Lab Sample ID: 180-132142-20

Date Collected: 01/10/22 15:40
Date Received: 01/11/22 10:30

Matrix: Solid
Percent Solids: 88.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
cis-1,2-Dichloroethene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1

Client Sample ID: SSHS-IRM5A2-A2-A42B

Lab Sample ID: 180-132142-20
Date Collected: 01/10/22 15:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 88.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/15/22 09:00	01/15/22 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/15/22 09:00*	*01/15/22 18:11*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*01/15/22 09:00*	*01/15/22 18:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*01/15/22 09:00*	*01/15/22 18:11*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*01/15/22 09:00*	*01/15/22 18:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.5**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**88.5**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A42C

Lab Sample ID: 180-132142-21
Date Collected: 01/10/22 15:40
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 90.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Acenaphthylene	**0.0051**	**J**	0.0073	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Anthracene	**0.0026**	**J**	0.0073	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Benzo[a]anthracene	**0.0049**	**J**	0.0073	0.0033	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Benzo[a]pyrene	**0.0062**	**J**	0.0073	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Benzo[b]fluoranthene	**0.0076**		0.0073	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Benzo[g,h,i]perylene	**0.0062**	**J**	0.0073	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Benzo[k]fluoranthene	**0.0029**	**J**	0.0073	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Chrysene	**0.0055**	**J**	0.0073	0.0041	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Dibenz(a,h)anthracene	ND		0.0073	0.0047	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Fluoranthene	**0.0069**	**J**	0.0073	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Indeno[1,2,3-cd]pyrene	**0.0048**	**J**	0.0073	0.0036	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1

Client Sample ID: SSHS-IRM5A2-A2-A42C
Lab Sample ID: 180-132142-21
Date Collected: 01/10/22 15:40 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 90.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Naphthalene	ND		0.0073	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Phenanthrene	**0.0028**	**J**	0.0073	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Pyrene	**0.0082**		0.0073	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*01/12/22 05:27*	*01/12/22 19:09*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*01/12/22 05:27*	*01/12/22 19:09*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/12/22 05:27*	*01/12/22 19:09*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*01/12/22 05:27*	*01/12/22 19:09*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*01/12/22 05:27*	*01/12/22 19:09*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 119*	*01/12/22 05:27*	*01/12/22 19:09*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1254	ND		0.018	0.0055	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	01/12/22 08:45	01/13/22 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*01/12/22 08:45*	*01/13/22 12:54*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*01/12/22 08:45*	*01/13/22 12:54*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*01/12/22 08:45*	*01/13/22 12:54*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*01/12/22 08:45*	*01/13/22 12:54*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.85	0.53	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Barium	**42**		17	3.0	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Beryllium	**0.26**	**J**	0.34	0.092	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Cadmium	**0.066**	**J**	0.42	0.062	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Chromium	**6.6**		0.42	0.39	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Copper	**16**		2.1	1.3	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Lead	**7.5**		0.85	0.74	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Manganese	**500**		1.3	0.24	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Nickel	**12**		3.4	0.43	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Selenium	ND		0.85	0.39	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1

Client Sample ID: SSHS-IRM5A2-A2-A42C
Lab Sample ID: 180-132142-21
Date Collected: 01/10/22 15:40 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 90.0**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.42	0.088	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1
Zinc	**44**		1.7	1.0	mg/Kg	☼	01/11/22 13:34	01/13/22 12:40	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	01/11/22 12:59	01/12/22 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**90.0**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	01/12/22 09:33	01/13/22 15:31	1
Cyanide, Total	ND		0.53	0.40	mg/Kg	☼	01/12/22 12:45	01/12/22 19:18	1

Client Sample ID: SSHS-IRM5A2-A2-A43A
Lab Sample ID: 180-132142-22
Date Collected: 01/10/22 15:50 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	01/15/22 09:00	01/15/22 18:34	1

Client Sample ID: SSHS-IRM5A2-A2-A43A
Lab Sample ID: 180-132142-22
Date Collected: 01/10/22 15:50 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 88.9**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/15/22 09:00*	*01/15/22 18:34*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/15/22 09:00*	*01/15/22 18:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*01/15/22 09:00*	*01/15/22 18:34*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*01/15/22 09:00*	*01/15/22 18:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.1**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**88.9**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A43B
Lab Sample ID: 180-132142-23
Date Collected: 01/10/22 15:50 **Matrix: Solid**
Date Received: 01/11/22 10:30 **Percent Solids: 91.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/15/22 09:00	01/15/22 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/15/22 09:00*	*01/15/22 18:58*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*01/15/22 09:00*	*01/15/22 18:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*01/15/22 09:00*	*01/15/22 18:58*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A43B — Lab Sample ID: 180-132142-23

Date Collected: 01/10/22 15:50 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 91.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*113*		*67 - 134*	*01/15/22 09:00*	*01/15/22 18:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**91.2**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-A43C — Lab Sample ID: 180-132142-24

Date Collected: 01/10/22 15:50 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 89.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Acenaphthylene	**0.0023**	**J**	0.0074	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Anthracene	ND		0.0074	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Benzo[a]anthracene	ND		0.0074	0.0033	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Benzo[a]pyrene	ND		0.0074	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Benzo[b]fluoranthene	**0.0038**	**J**	0.0074	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Benzo[g,h,i]perylene	**0.0022**	**J**	0.0074	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Benzo[k]fluoranthene	ND		0.0074	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Chrysene	ND		0.0074	0.0041	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Dibenz(a,h)anthracene	ND		0.0074	0.0047	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Fluoranthene	**0.0029**	**J**	0.0074	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Fluorene	ND		0.0074	0.0015	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Hexachlorobenzene	ND		0.0074	0.0027	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Indeno[1,2,3-cd]pyrene	ND		0.0074	0.0037	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Naphthalene	ND		0.0074	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Pentachlorophenol	ND		0.19	0.060	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Phenanthrene	**0.0020**	**J**	0.0074	0.0020	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Phenol	ND		0.037	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Pyrene	**0.0035**	**J**	0.0074	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*74*		*35 - 105*	*01/12/22 05:27*	*01/12/22 19:31*	*1*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*01/12/22 05:27*	*01/12/22 19:31*	*1*
Nitrobenzene-d5 (Surr)	*78*		*34 - 109*	*01/12/22 05:27*	*01/12/22 19:31*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*01/12/22 05:27*	*01/12/22 19:31*	*1*
Terphenyl-d14 (Surr)	*78*		*20 - 117*	*01/12/22 05:27*	*01/12/22 19:31*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A43C
Date Collected: 01/10/22 15:50
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-24
Matrix: Solid
Percent Solids: 89.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*69*		*20 - 119*	*01/12/22 05:27*	*01/12/22 19:31*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1254	ND		0.018	0.0055	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	01/12/22 08:45	01/13/22 11:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*01/12/22 08:45*	*01/13/22 11:19*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*01/12/22 08:45*	*01/13/22 11:19*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*01/12/22 08:45*	*01/13/22 11:19*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*01/12/22 08:45*	*01/13/22 11:19*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**21**		0.69	0.43	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Barium	**55**		14	2.4	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Beryllium	**0.36**		0.27	0.075	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Cadmium	**0.075**	**J**	0.34	0.050	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Chromium	**8.2**		0.34	0.31	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Copper	**36**		1.7	1.0	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Lead	**22**		0.69	0.60	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Manganese	**620**		1.0	0.19	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Nickel	**19**		2.7	0.35	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Selenium	**0.45**	**J**	0.69	0.32	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Silver	ND		0.34	0.071	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1
Zinc	**56**		1.4	0.82	mg/Kg	☼	01/11/22 13:34	01/13/22 12:54	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.026	0.017	mg/Kg	☼	01/11/22 12:59	01/12/22 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.5**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**89.5**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/12/22 09:33	01/13/22 15:32	1
Cyanide, Total	**0.57**		0.49	0.37	mg/Kg	☼	01/12/22 12:45	01/12/22 19:20	1

Client Sample ID: SSHS-IRM5A2-A2-DUP10A — Lab Sample ID: 180-132142-25

Date Collected: 01/10/22 00:00 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 89.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Trichloroethene	**0.0025**	**J**	0.0057	0.0018	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	01/15/22 09:00	01/15/22 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/15/22 09:00*	*01/15/22 19:21*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/15/22 09:00*	*01/15/22 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*01/15/22 09:00*	*01/15/22 19:21*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*01/15/22 09:00*	*01/15/22 19:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**89.7**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-DUP10B — Lab Sample ID: 180-132142-26

Date Collected: 01/10/22 00:00 — **Matrix: Solid**
Date Received: 01/11/22 10:30 — **Percent Solids: 92.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1

Client Sample ID: SSHS-IRM5A2-A2-DUP10B

Lab Sample ID: 180-132142-26
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/18/22 06:00	01/18/22 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/18/22 06:00*	*01/18/22 09:35*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/18/22 06:00*	*01/18/22 09:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*01/18/22 06:00*	*01/18/22 09:35*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*01/18/22 06:00*	*01/18/22 09:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		0.1	0.1	%			01/13/22 12:28	1
Percent Solids	**92.7**		0.1	0.1	%			01/13/22 12:28	1

Client Sample ID: SSHS-IRM5A2-A2-DUP10C

Lab Sample ID: 180-132142-27
Date Collected: 01/10/22 00:00
Matrix: Solid
Date Received: 01/11/22 10:30
Percent Solids: 92.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0063**	**J**	0.0072	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Acenaphthylene	**0.055**		0.0072	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Anthracene	**0.045**		0.0072	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Benzo[a]anthracene	**0.076**		0.0072	0.0032	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1

Client Sample ID: SSHS-IRM5A2-A2-DUP10C
Date Collected: 01/10/22 00:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-27
Matrix: Solid
Percent Solids: 92.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.081**		0.0072	0.0031	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Benzo[b]fluoranthene	**0.11**		0.0072	0.0018	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Benzo[g,h,i]perylene	**0.093**		0.0072	0.0016	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Benzo[k]fluoranthene	**0.044**		0.0072	0.0022	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Chrysene	**0.078**		0.0072	0.0040	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Dibenz(a,h)anthracene	**0.023**		0.0072	0.0046	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
2,4-Dinitrotoluene	ND		0.036	0.021	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Fluoranthene	**0.12**		0.0072	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Fluorene	**0.0072**		0.0072	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Indeno[1,2,3-cd]pyrene	**0.079**		0.0072	0.0036	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Naphthalene	**0.010**		0.0072	0.0014	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Phenanthrene	**0.053**		0.0072	0.0019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Pyrene	**0.13**		0.0072	0.0017	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
2,4,5-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/12/22 05:27	01/12/22 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*01/12/22 05:27*	*01/12/22 19:53*	*1*
2-Fluorophenol (Surr)	*81*		*32 - 105*	*01/12/22 05:27*	*01/12/22 19:53*	*1*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*	*01/12/22 05:27*	*01/12/22 19:53*	*1*
Phenol-d5 (Surr)	*79*		*34 - 105*	*01/12/22 05:27*	*01/12/22 19:53*	*1*
Terphenyl-d14 (Surr)	*82*		*20 - 117*	*01/12/22 05:27*	*01/12/22 19:53*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*	*01/12/22 05:27*	*01/12/22 19:53*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1248	**0.015**	**J**	0.018	0.0043	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1254	**0.0076**	**J**	0.018	0.0054	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/12/22 08:45	01/13/22 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*01/12/22 08:45*	*01/13/22 11:38*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*01/12/22 08:45*	*01/13/22 11:38*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Client Sample ID: SSHS-IRM5A2-A2-DUP10C
Date Collected: 01/10/22 00:00
Date Received: 01/11/22 10:30

Lab Sample ID: 180-132142-27
Matrix: Solid
Percent Solids: 92.2

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*01/12/22 08:45*	*01/13/22 11:38*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*01/12/22 08:45*	*01/13/22 11:38*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.61	0.38	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Barium	**47**		12	2.2	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Beryllium	**0.24**		0.24	0.066	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Cadmium	**0.076**	**J**	0.30	0.045	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Chromium	**6.3**		0.30	0.28	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Copper	**19**		1.5	0.92	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Lead	**8.5**		0.61	0.53	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Manganese	**420**		0.91	0.17	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Nickel	**12**		2.4	0.31	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Selenium	**0.43**	**J**	0.61	0.28	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Silver	ND		0.30	0.063	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1
Zinc	**49**		1.2	0.72	mg/Kg	☼	01/11/22 13:34	01/13/22 12:58	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	01/11/22 12:59	01/12/22 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.1	0.1	%			01/12/22 08:42	1
Percent Solids	**92.2**		0.1	0.1	%			01/12/22 08:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/12/22 09:33	01/13/22 15:33	1
Cyanide, Total	ND		0.45	0.34	mg/Kg	☼	01/12/22 12:45	01/12/22 19:22	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-385134/6
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/14/22 09:41	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/14/22 09:41	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/14/22 09:41	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/14/22 09:41	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/14/22 09:41	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/14/22 09:41	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/14/22 09:41	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/14/22 09:41	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/14/22 09:41	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/14/22 09:41	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/14/22 09:41	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/14/22 09:41	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/14/22 09:41	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/14/22 09:41	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/14/22 09:41	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/14/22 09:41	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/14/22 09:41	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/14/22 09:41	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/14/22 09:41	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/14/22 09:41	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/14/22 09:41	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/14/22 09:41	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/14/22 09:41	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/14/22 09:41	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/14/22 09:41	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/14/22 09:41	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/14/22 09:41	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/14/22 09:41	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/14/22 09:41	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/14/22 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*		*01/14/22 09:41*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*		*01/14/22 09:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*		*01/14/22 09:41*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*		*01/14/22 09:41*	*1*

Lab Sample ID: LCS 180-385134/3
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0380		mg/Kg		95	23 - 170
Benzene	0.0400	0.0404		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0447		mg/Kg		112	39 - 157
Carbon tetrachloride	0.0400	0.0393		mg/Kg		98	73 - 130
Chlorobenzene	0.0400	0.0395		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0373		mg/Kg		93	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385134/3
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0425		mg/Kg		106	77 - 118
1,2-Dichlorobenzene	0.0400	0.0400		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0420		mg/Kg		105	77 - 121
1,4-Dichlorobenzene	0.0400	0.0396		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0416		mg/Kg		104	73 - 124
1,2-Dichloroethane	0.0400	0.0399		mg/Kg		100	64 - 140
1,1-Dichloroethene	0.0400	0.0446		mg/Kg		111	55 - 136
1,4-Dioxane	0.800	0.862	J	mg/Kg		108	18 - 166
Ethylbenzene	0.0400	0.0383		mg/Kg		96	79 - 119
Methylene Chloride	0.0400	0.0406		mg/Kg		102	67 - 131
Methyl tert-butyl ether	0.0400	0.0371		mg/Kg		93	58 - 132
n-Butylbenzene	0.0400	0.0384		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0399		mg/Kg		100	71 - 127
sec-Butylbenzene	0.0400	0.0378		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0394		mg/Kg		99	69 - 133
Tetrachloroethene	0.0400	0.0455		mg/Kg		114	71 - 121
Toluene	0.0400	0.0393		mg/Kg		98	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0427		mg/Kg		107	75 - 122
1,1,1-Trichloroethane	0.0400	0.0402		mg/Kg		100	72 - 134
Trichloroethene	0.0400	0.0437		mg/Kg		109	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0386		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0382		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0399		mg/Kg		100	64 - 134
Xylenes, Total	0.0800	0.0765		mg/Kg		96	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: 180-132142-14 MS
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: SSHS-IRM5A2-A2-A40B
Prep Type: Total/NA
Prep Batch: 385154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	F1	0.0433	0.0914	F1	mg/Kg	☼	211	23 - 170
Benzene	ND		0.0433	0.0456		mg/Kg	☼	105	77 - 120
2-Butanone (MEK)	ND	F1	0.0433	0.0750	F1	mg/Kg	☼	173	39 - 157
Carbon tetrachloride	ND		0.0433	0.0442		mg/Kg	☼	102	73 - 130
Chlorobenzene	ND		0.0433	0.0442		mg/Kg	☼	102	79 - 122
Chloroform	ND		0.0433	0.0423		mg/Kg	☼	98	73 - 126
cis-1,2-Dichloroethene	ND		0.0433	0.0474		mg/Kg	☼	109	77 - 118
1,2-Dichlorobenzene	ND		0.0433	0.0441		mg/Kg	☼	102	76 - 120
1,3-Dichlorobenzene	ND		0.0433	0.0468		mg/Kg	☼	108	77 - 121
1,4-Dichlorobenzene	ND		0.0433	0.0440		mg/Kg	☼	101	79 - 120
1,1-Dichloroethane	ND		0.0433	0.0459		mg/Kg	☼	106	73 - 124
1,2-Dichloroethane	ND		0.0433	0.0455		mg/Kg	☼	105	64 - 140

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-132142-14 MS
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: SSHS-IRM5A2-A2-A40B
Prep Type: Total/NA
Prep Batch: 385154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND	F2	0.0433	0.0486		mg/Kg	☼	112	55 - 136
1,4-Dioxane	ND		0.867	0.976	J	mg/Kg	☼	113	18 - 166
Ethylbenzene	ND		0.0433	0.0431		mg/Kg	☼	99	79 - 119
Methylene Chloride	ND		0.0433	0.0456		mg/Kg	☼	105	67 - 131
Methyl tert-butyl ether	ND		0.0433	0.0425		mg/Kg	☼	98	58 - 132
n-Butylbenzene	ND		0.0433	0.0427		mg/Kg	☼	98	64 - 136
N-Propylbenzene	ND		0.0433	0.0443		mg/Kg	☼	102	71 - 127
sec-Butylbenzene	ND		0.0433	0.0423		mg/Kg	☼	97	65 - 130
tert-Butylbenzene	ND		0.0433	0.0438		mg/Kg	☼	101	69 - 133
Tetrachloroethene	ND	F1	0.0433	0.0505		mg/Kg	☼	116	71 - 121
Toluene	ND		0.0433	0.0447		mg/Kg	☼	103	76 - 120
trans-1,2-Dichloroethene	ND		0.0433	0.0464		mg/Kg	☼	107	75 - 122
1,1,1-Trichloroethane	ND		0.0433	0.0443		mg/Kg	☼	102	72 - 134
Trichloroethene	ND		0.0433	0.0491		mg/Kg	☼	113	69 - 118
1,2,4-Trimethylbenzene	ND		0.0433	0.0429		mg/Kg	☼	99	74 - 127
1,3,5-Trimethylbenzene	ND		0.0433	0.0428		mg/Kg	☼	99	69 - 131
Vinyl chloride	ND		0.0433	0.0394		mg/Kg	☼	91	64 - 134
Xylenes, Total	ND		0.0867	0.0853		mg/Kg	☼	98	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*
Dibromofluoromethane (Surr)	*115*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*
Toluene-d8 (Surr)	*113*		*67 - 134*

Lab Sample ID: 180-132142-14 MSD
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: SSHS-IRM5A2-A2-A40B
Prep Type: Total/NA
Prep Batch: 385154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	F1	0.0443	0.0763	F1	mg/Kg	☼	172	23 - 170	18	35
Benzene	ND		0.0443	0.0476		mg/Kg	☼	107	77 - 120	4	20
2-Butanone (MEK)	ND	F1	0.0443	0.0728	F1	mg/Kg	☼	165	39 - 157	3	33
Carbon tetrachloride	ND		0.0443	0.0464		mg/Kg	☼	105	73 - 130	5	21
Chlorobenzene	ND		0.0443	0.0456		mg/Kg	☼	103	79 - 122	3	20
Chloroform	ND		0.0443	0.0439		mg/Kg	☼	99	73 - 126	4	20
cis-1,2-Dichloroethene	ND		0.0443	0.0501		mg/Kg	☼	113	77 - 118	6	20
1,2-Dichlorobenzene	ND		0.0443	0.0468		mg/Kg	☼	106	76 - 120	6	20
1,3-Dichlorobenzene	ND		0.0443	0.0489		mg/Kg	☼	110	77 - 121	4	20
1,4-Dichlorobenzene	ND		0.0443	0.0462		mg/Kg	☼	104	79 - 120	5	20
1,1-Dichloroethane	ND		0.0443	0.0472		mg/Kg	☼	107	73 - 124	3	20
1,2-Dichloroethane	ND		0.0443	0.0469		mg/Kg	☼	106	64 - 140	3	20
1,1-Dichloroethene	ND	F2	0.0443	0.0390	F2	mg/Kg	☼	88	55 - 136	22	21
1,4-Dioxane	ND		0.885	0.944	J	mg/Kg	☼	107	18 - 166	3	40
Ethylbenzene	ND		0.0443	0.0444		mg/Kg	☼	100	79 - 119	3	20
Methylene Chloride	ND		0.0443	0.0459		mg/Kg	☼	104	67 - 131	1	32
Methyl tert-butyl ether	ND		0.0443	0.0452		mg/Kg	☼	102	58 - 132	6	24
n-Butylbenzene	ND		0.0443	0.0456		mg/Kg	☼	103	64 - 136	7	21

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-132142-14 MSD
Matrix: Solid
Analysis Batch: 385134

Client Sample ID: SSHS-IRM5A2-A2-A40B
Prep Type: Total/NA
Prep Batch: 385154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND		0.0443	0.0464		mg/Kg	☼	105	71 - 127	5	20
sec-Butylbenzene	ND		0.0443	0.0447		mg/Kg	☼	101	65 - 130	6	20
tert-Butylbenzene	ND		0.0443	0.0461		mg/Kg	☼	104	69 - 133	5	23
Tetrachloroethene	ND	F1	0.0443	0.0544	F1	mg/Kg	☼	123	71 - 121	7	21
Toluene	ND		0.0443	0.0456		mg/Kg	☼	103	76 - 120	2	20
trans-1,2-Dichloroethene	ND		0.0443	0.0482		mg/Kg	☼	109	75 - 122	4	20
1,1,1-Trichloroethane	ND		0.0443	0.0459		mg/Kg	☼	104	72 - 134	4	20
Trichloroethene	ND		0.0443	0.0521		mg/Kg	☼	118	69 - 118	6	20
1,2,4-Trimethylbenzene	ND		0.0443	0.0448		mg/Kg	☼	101	74 - 127	4	20
1,3,5-Trimethylbenzene	ND		0.0443	0.0445		mg/Kg	☼	100	69 - 131	4	20
Vinyl chloride	ND		0.0443	0.0447		mg/Kg	☼	101	64 - 134	13	23
Xylenes, Total	ND		0.0885	0.0880		mg/Kg	☼	99	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*112*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: MB 180-385254/6
Matrix: Solid
Analysis Batch: 385254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/15/22 12:01	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/15/22 12:01	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/15/22 12:01	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/15/22 12:01	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/15/22 12:01	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/15/22 12:01	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/15/22 12:01	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/15/22 12:01	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/15/22 12:01	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/15/22 12:01	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/15/22 12:01	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/15/22 12:01	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/15/22 12:01	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/15/22 12:01	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/15/22 12:01	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/15/22 12:01	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/15/22 12:01	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/15/22 12:01	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/15/22 12:01	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/15/22 12:01	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/15/22 12:01	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/15/22 12:01	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/15/22 12:01	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/15/22 12:01	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385254/6
Matrix: Solid
Analysis Batch: 385254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/15/22 12:01	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/15/22 12:01	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/15/22 12:01	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/15/22 12:01	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/15/22 12:01	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/15/22 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*		*01/15/22 12:01*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*		*01/15/22 12:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*		*01/15/22 12:01*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*		*01/15/22 12:01*	*1*

Lab Sample ID: LCS 180-385254/5
Matrix: Solid
Analysis Batch: 385254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0327		mg/Kg		82	23 - 170
Benzene	0.0400	0.0381		mg/Kg		95	77 - 120
2-Butanone (MEK)	0.0400	0.0416		mg/Kg		104	39 - 157
Carbon tetrachloride	0.0400	0.0369		mg/Kg		92	73 - 130
Chlorobenzene	0.0400	0.0382		mg/Kg		95	79 - 122
Chloroform	0.0400	0.0348		mg/Kg		87	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0403		mg/Kg		101	77 - 118
1,2-Dichlorobenzene	0.0400	0.0399		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0399		mg/Kg		100	79 - 120
1,1-Dichloroethane	0.0400	0.0391		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0381		mg/Kg		95	64 - 140
1,1-Dichloroethene	0.0400	0.0399		mg/Kg		100	55 - 136
1,4-Dioxane	0.800	0.810	J	mg/Kg		101	18 - 166
Ethylbenzene	0.0400	0.0373		mg/Kg		93	79 - 119
Methylene Chloride	0.0400	0.0361		mg/Kg		90	67 - 131
Methyl tert-butyl ether	0.0400	0.0348		mg/Kg		87	58 - 132
n-Butylbenzene	0.0400	0.0384		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0413		mg/Kg		103	71 - 127
sec-Butylbenzene	0.0400	0.0384		mg/Kg		96	65 - 130
tert-Butylbenzene	0.0400	0.0405		mg/Kg		101	69 - 133
Tetrachloroethene	0.0400	0.0457		mg/Kg		114	71 - 121
Toluene	0.0400	0.0385		mg/Kg		96	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0398		mg/Kg		99	75 - 122
1,1,1-Trichloroethane	0.0400	0.0371		mg/Kg		93	72 - 134
Trichloroethene	0.0400	0.0426		mg/Kg		106	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0390		mg/Kg		97	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0393		mg/Kg		98	69 - 131
Vinyl chloride	0.0400	0.0331		mg/Kg		83	64 - 134
Xylenes, Total	0.0800	0.0738		mg/Kg		92	78 - 118

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385254/5
Matrix: Solid
Analysis Batch: 385254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Lab Sample ID: 180-132142-13 MS
Matrix: Solid
Analysis Batch: 385254

Client Sample ID: SSHS-IRM5A2-A2-A40A
Prep Type: Total/NA
Prep Batch: 385263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0427	0.0410		mg/Kg	☼	96	23 - 170
Benzene	ND		0.0427	0.0419		mg/Kg	☼	98	77 - 120
2-Butanone (MEK)	ND		0.0427	0.0455		mg/Kg	☼	106	39 - 157
Carbon tetrachloride	ND		0.0427	0.0418		mg/Kg	☼	98	73 - 130
Chlorobenzene	ND		0.0427	0.0414		mg/Kg	☼	97	79 - 122
Chloroform	ND		0.0427	0.0381		mg/Kg	☼	89	73 - 126
cis-1,2-Dichloroethene	ND		0.0427	0.0444		mg/Kg	☼	104	77 - 118
1,2-Dichlorobenzene	ND		0.0427	0.0427		mg/Kg	☼	100	76 - 120
1,3-Dichlorobenzene	ND		0.0427	0.0447		mg/Kg	☼	105	77 - 121
1,4-Dichlorobenzene	ND		0.0427	0.0424		mg/Kg	☼	99	79 - 120
1,1-Dichloroethane	ND		0.0427	0.0429		mg/Kg	☼	100	73 - 124
1,2-Dichloroethane	ND		0.0427	0.0402		mg/Kg	☼	94	64 - 140
1,1-Dichloroethene	ND		0.0427	0.0444		mg/Kg	☼	104	55 - 136
1,4-Dioxane	ND		0.855	0.893	J	mg/Kg	☼	105	18 - 166
Ethylbenzene	ND		0.0427	0.0404		mg/Kg	☼	95	79 - 119
Methylene Chloride	ND		0.0427	0.0413		mg/Kg	☼	97	67 - 131
Methyl tert-butyl ether	ND		0.0427	0.0387		mg/Kg	☼	91	58 - 132
n-Butylbenzene	ND		0.0427	0.0413		mg/Kg	☼	97	64 - 136
N-Propylbenzene	ND		0.0427	0.0433		mg/Kg	☼	101	71 - 127
sec-Butylbenzene	ND		0.0427	0.0413		mg/Kg	☼	97	65 - 130
tert-Butylbenzene	ND		0.0427	0.0429		mg/Kg	☼	100	69 - 133
Tetrachloroethene	ND		0.0427	0.0484		mg/Kg	☼	113	71 - 121
Toluene	ND		0.0427	0.0414		mg/Kg	☼	97	76 - 120
trans-1,2-Dichloroethene	ND		0.0427	0.0435		mg/Kg	☼	102	75 - 122
1,1,1-Trichloroethane	ND		0.0427	0.0423		mg/Kg	☼	99	72 - 134
Trichloroethene	ND		0.0427	0.0465		mg/Kg	☼	109	69 - 118
1,2,4-Trimethylbenzene	ND		0.0427	0.0411		mg/Kg	☼	96	74 - 127
1,3,5-Trimethylbenzene	ND		0.0427	0.0413		mg/Kg	☼	97	69 - 131
Vinyl chloride	ND		0.0427	0.0391		mg/Kg	☼	92	64 - 134
Xylenes, Total	ND		0.0855	0.0794		mg/Kg	☼	93	78 - 118

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-132142-13 MSD
Matrix: Solid
Analysis Batch: 385254

Client Sample ID: SSHS-IRM5A2-A2-A40A
Prep Type: Total/NA
Prep Batch: 385263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0427	0.0414		mg/Kg	☼	97	23 - 170	1	35
Benzene	ND		0.0427	0.0425		mg/Kg	☼	99	77 - 120	1	20
2-Butanone (MEK)	ND		0.0427	0.0464		mg/Kg	☼	109	39 - 157	2	33
Carbon tetrachloride	ND		0.0427	0.0419		mg/Kg	☼	98	73 - 130	0	21
Chlorobenzene	ND		0.0427	0.0422		mg/Kg	☼	99	79 - 122	2	20
Chloroform	ND		0.0427	0.0389		mg/Kg	☼	91	73 - 126	2	20
cis-1,2-Dichloroethene	ND		0.0427	0.0448		mg/Kg	☼	105	77 - 118	1	20
1,2-Dichlorobenzene	ND		0.0427	0.0436		mg/Kg	☼	102	76 - 120	2	20
1,3-Dichlorobenzene	ND		0.0427	0.0459		mg/Kg	☼	107	77 - 121	3	20
1,4-Dichlorobenzene	ND		0.0427	0.0430		mg/Kg	☼	101	79 - 120	2	20
1,1-Dichloroethane	ND		0.0427	0.0432		mg/Kg	☼	101	73 - 124	1	20
1,2-Dichloroethane	ND		0.0427	0.0406		mg/Kg	☼	95	64 - 140	1	20
1,1-Dichloroethene	ND		0.0427	0.0476		mg/Kg	☼	111	55 - 136	7	21
1,4-Dioxane	ND		0.855	0.875	J	mg/Kg	☼	102	18 - 166	2	40
Ethylbenzene	ND		0.0427	0.0415		mg/Kg	☼	97	79 - 119	3	20
Methylene Chloride	ND		0.0427	0.0431		mg/Kg	☼	101	67 - 131	4	32
Methyl tert-butyl ether	ND		0.0427	0.0388		mg/Kg	☼	91	58 - 132	0	24
n-Butylbenzene	ND		0.0427	0.0422		mg/Kg	☼	99	64 - 136	2	21
N-Propylbenzene	ND		0.0427	0.0441		mg/Kg	☼	103	71 - 127	2	20
sec-Butylbenzene	ND		0.0427	0.0420		mg/Kg	☼	98	65 - 130	2	20
tert-Butylbenzene	ND		0.0427	0.0432		mg/Kg	☼	101	69 - 133	1	23
Tetrachloroethene	ND		0.0427	0.0494		mg/Kg	☼	116	71 - 121	2	21
Toluene	ND		0.0427	0.0421		mg/Kg	☼	99	76 - 120	2	20
trans-1,2-Dichloroethene	ND		0.0427	0.0447		mg/Kg	☼	105	75 - 122	3	20
1,1,1-Trichloroethane	ND		0.0427	0.0426		mg/Kg	☼	100	72 - 134	1	20
Trichloroethene	ND		0.0427	0.0459		mg/Kg	☼	107	69 - 118	1	20
1,2,4-Trimethylbenzene	ND		0.0427	0.0423		mg/Kg	☼	99	74 - 127	3	20
1,3,5-Trimethylbenzene	ND		0.0427	0.0420		mg/Kg	☼	98	69 - 131	2	20
Vinyl chloride	ND		0.0427	0.0417		mg/Kg	☼	98	64 - 134	6	23
Xylenes, Total	ND		0.0855	0.0813		mg/Kg	☼	95	78 - 118	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: MB 180-385370/6
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/18/22 08:49	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/18/22 08:49	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/18/22 08:49	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385370/6
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/18/22 08:49	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/18/22 08:49	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/18/22 08:49	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/18/22 08:49	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/18/22 08:49	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/18/22 08:49	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/18/22 08:49	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/18/22 08:49	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/18/22 08:49	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/18/22 08:49	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/18/22 08:49	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/18/22 08:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*		*01/18/22 08:49*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*		*01/18/22 08:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*		*01/18/22 08:49*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*		*01/18/22 08:49*	*1*

Lab Sample ID: LCS 180-385370/3
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0364		mg/Kg		91	23 - 170
Benzene	0.0400	0.0388		mg/Kg		97	77 - 120
2-Butanone (MEK)	0.0400	0.0415		mg/Kg		104	39 - 157
Carbon tetrachloride	0.0400	0.0369		mg/Kg		92	73 - 130
Chlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0353		mg/Kg		88	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0408		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0399		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0422		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0394		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0387		mg/Kg		97	64 - 140

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385370/3
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0400	0.0412		mg/Kg		103	55 - 136
1,4-Dioxane	0.800	0.822	J	mg/Kg		103	18 - 166
Ethylbenzene	0.0400	0.0382		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0383		mg/Kg		96	67 - 131
Methyl tert-butyl ether	0.0400	0.0340		mg/Kg		85	58 - 132
n-Butylbenzene	0.0400	0.0377		mg/Kg		94	64 - 136
N-Propylbenzene	0.0400	0.0402		mg/Kg		101	71 - 127
sec-Butylbenzene	0.0400	0.0377		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0395		mg/Kg		99	69 - 133
Tetrachloroethene	0.0400	0.0446		mg/Kg		111	71 - 121
Toluene	0.0400	0.0388		mg/Kg		97	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0401		mg/Kg		100	75 - 122
1,1,1-Trichloroethane	0.0400	0.0375		mg/Kg		94	72 - 134
Trichloroethene	0.0400	0.0434		mg/Kg		109	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0366		mg/Kg		91	64 - 134
Xylenes, Total	0.0800	0.0742		mg/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*
Toluene-d8 (Surr)	*104*		*67 - 134*

Lab Sample ID: LCSD 180-385370/4
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0372		mg/Kg		93	23 - 170	2	35
Benzene	0.0400	0.0399		mg/Kg		100	77 - 120	3	20
2-Butanone (MEK)	0.0400	0.0430		mg/Kg		107	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0403		mg/Kg		101	73 - 130	9	21
Chlorobenzene	0.0400	0.0399		mg/Kg		100	79 - 122	0	20
Chloroform	0.0400	0.0367		mg/Kg		92	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0426		mg/Kg		106	77 - 118	4	20
1,2-Dichlorobenzene	0.0400	0.0412		mg/Kg		103	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0432		mg/Kg		108	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0410		mg/Kg		103	73 - 124	4	20
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140	0	20
1,1-Dichloroethene	0.0400	0.0343		mg/Kg		86	55 - 136	18	21
1,4-Dioxane	0.800	0.729	J	mg/Kg		91	18 - 166	12	40
Ethylbenzene	0.0400	0.0385		mg/Kg		96	79 - 119	1	20
Methylene Chloride	0.0400	0.0393		mg/Kg		98	67 - 131	3	32
Methyl tert-butyl ether	0.0400	0.0367		mg/Kg		92	58 - 132	8	24
n-Butylbenzene	0.0400	0.0381		mg/Kg		95	64 - 136	1	21

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-385370/4
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene			0.0400	0.0425		mg/Kg		106	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0398		mg/Kg		99	65 - 130	5	20
tert-Butylbenzene			0.0400	0.0415		mg/Kg		104	69 - 133	5	23
Tetrachloroethene			0.0400	0.0466		mg/Kg		116	71 - 121	4	21
Toluene			0.0400	0.0398		mg/Kg		100	76 - 120	3	20
trans-1,2-Dichloroethene			0.0400	0.0423		mg/Kg		106	75 - 122	5	20
1,1,1-Trichloroethane			0.0400	0.0398		mg/Kg		99	72 - 134	6	20
Trichloroethene			0.0400	0.0448		mg/Kg		112	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0400		mg/Kg		100	74 - 127	4	20
1,3,5-Trimethylbenzene			0.0400	0.0397		mg/Kg		99	69 - 131	3	20
Vinyl chloride			0.0400	0.0390		mg/Kg		97	64 - 134	6	23
Xylenes, Total			0.0800	0.0754		mg/Kg		94	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-384874/1-A
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Anthracene	ND		0.0034	0.00087	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Chrysene	ND		0.0034	0.0019	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Fluorene	ND		0.0034	0.00066	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		01/12/22 05:27	01/12/22 15:02	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-384874/1-A
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.085	0.027	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Phenol	ND		0.017	0.0051	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Pyrene	ND		0.0034	0.00079	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
Pyridine	ND		0.034	0.0090	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		01/12/22 05:27	01/12/22 15:02	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		01/12/22 05:27	01/12/22 15:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*01/12/22 05:27*	*01/12/22 15:02*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*01/12/22 05:27*	*01/12/22 15:02*	*1*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*	*01/12/22 05:27*	*01/12/22 15:02*	*1*
Phenol-d5 (Surr)	*64*		*34 - 105*	*01/12/22 05:27*	*01/12/22 15:02*	*1*
Terphenyl-d14 (Surr)	*73*		*20 - 117*	*01/12/22 05:27*	*01/12/22 15:02*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 119*	*01/12/22 05:27*	*01/12/22 15:02*	*1*

Lab Sample ID: LCS 180-384874/2-A
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.203		mg/Kg		61	41 - 100
Acenaphthylene	0.333	0.209		mg/Kg		63	45 - 100
Anthracene	0.333	0.213		mg/Kg		64	47 - 100
Benzo[a]anthracene	0.333	0.211		mg/Kg		63	47 - 100
Benzo[a]pyrene	0.333	0.211		mg/Kg		63	45 - 101
Benzo[b]fluoranthene	0.333	0.200		mg/Kg		60	44 - 100
Benzo[g,h,i]perylene	0.333	0.212		mg/Kg		64	45 - 103
Benzo[k]fluoranthene	0.333	0.192		mg/Kg		57	43 - 100
Chrysene	0.333	0.202		mg/Kg		60	44 - 100
Dibenz(a,h)anthracene	0.333	0.213		mg/Kg		64	46 - 107
Dibenzofuran	0.333	0.207		mg/Kg		62	47 - 100
2,4-Dinitrotoluene	0.333	0.227		mg/Kg		68	48 - 106
1,4-Dioxane	0.333	0.194		mg/Kg		58	10 - 133
Fluoranthene	0.333	0.214		mg/Kg		64	49 - 102
Fluorene	0.333	0.212		mg/Kg		63	46 - 100
Hexachlorobenzene	0.333	0.204		mg/Kg		61	45 - 101
Hexachlorobutadiene	0.333	0.200		mg/Kg		60	38 - 110
Hexachloroethane	0.333	0.191		mg/Kg		57	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.219		mg/Kg		66	48 - 104
2-Methylphenol	0.333	0.201		mg/Kg		60	43 - 101
Methylphenol, 3 & 4	0.333	0.206		mg/Kg		62	43 - 104
Naphthalene	0.333	0.202		mg/Kg		61	43 - 100
Nitrobenzene	0.333	0.202		mg/Kg		61	43 - 107
Pentachlorophenol	0.667	0.404		mg/Kg		61	34 - 112
Phenanthrene	0.333	0.208		mg/Kg		63	46 - 100
Phenol	0.333	0.197		mg/Kg		59	42 - 103
Pyrene	0.333	0.206		mg/Kg		62	44 - 102

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-384874/2-A
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384874

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pyridine			0.667	0.372		mg/Kg		56	25 - 109		
2,4,5-Trichlorophenol			0.333	0.214		mg/Kg		64	47 - 108		
2,4,6-Trichlorophenol			0.333	0.214		mg/Kg		64	47 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*69*		*32 - 105*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*
Phenol-d5 (Surr)	*68*		*34 - 105*
Terphenyl-d14 (Surr)	*71*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*

Lab Sample ID: 180-132142-15 MS
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	ND		0.701	0.524		mg/Kg	☼	75	41 - 100		
Acenaphthylene	0.0022	J	0.701	0.554		mg/Kg	☼	79	45 - 100		
Anthracene	ND		0.701	0.536		mg/Kg	☼	77	47 - 100		
Benzo[a]anthracene	0.0034	J	0.701	0.534		mg/Kg	☼	76	47 - 100		
Benzo[a]pyrene	0.0031	J	0.701	0.551		mg/Kg	☼	78	45 - 101		
Benzo[b]fluoranthene	0.0049	J	0.701	0.532		mg/Kg	☼	75	44 - 100		
Benzo[g,h,i]perylene	0.0029	J	0.701	0.561		mg/Kg	☼	80	45 - 103		
Benzo[k]fluoranthene	ND		0.701	0.468		mg/Kg	☼	67	43 - 100		
Chrysene	ND		0.701	0.520		mg/Kg	☼	74	44 - 100		
Dibenz(a,h)anthracene	ND		0.701	0.569		mg/Kg	☼	81	46 - 107		
Dibenzofuran	ND		0.701	0.533		mg/Kg	☼	76	47 - 100		
2,4-Dinitrotoluene	ND		0.701	0.590		mg/Kg	☼	84	48 - 106		
1,4-Dioxane	ND		0.701	0.259		mg/Kg	☼	37	10 - 133		
Fluoranthene	0.0041	J	0.701	0.537		mg/Kg	☼	76	49 - 102		
Fluorene	ND		0.701	0.549		mg/Kg	☼	78	46 - 100		
Hexachlorobenzene	ND		0.701	0.518		mg/Kg	☼	74	45 - 101		
Hexachlorobutadiene	ND		0.701	0.474		mg/Kg	☼	68	38 - 110		
Hexachloroethane	ND		0.701	0.427		mg/Kg	☼	61	40 - 100		
Indeno[1,2,3-cd]pyrene	ND		0.701	0.580		mg/Kg	☼	83	48 - 104		
2-Methylphenol	ND		0.701	0.471		mg/Kg	☼	67	43 - 101		
Methylphenol, 3 & 4	ND		0.701	0.484		mg/Kg	☼	69	43 - 104		
Naphthalene	ND		0.701	0.488		mg/Kg	☼	70	43 - 100		
Nitrobenzene	ND		0.701	0.485		mg/Kg	☼	69	43 - 107		
Pentachlorophenol	ND		1.40	0.915		mg/Kg	☼	65	34 - 112		
Phenanthrene	0.0021	J	0.701	0.530		mg/Kg	☼	75	46 - 100		
Phenol	ND		0.701	0.468		mg/Kg	☼	67	42 - 103		
Pyrene	0.0049	J	0.701	0.538		mg/Kg	☼	76	44 - 102		
Pyridine	ND		1.40	0.488		mg/Kg	☼	35	25 - 109		
2,4,5-Trichlorophenol	ND		0.701	0.560		mg/Kg	☼	80	47 - 108		
2,4,6-Trichlorophenol	ND		0.701	0.538		mg/Kg	☼	77	47 - 108		

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132142-15 MS
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384874

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	*75*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*32 - 105*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*
Phenol-d5 (Surr)	*72*		*34 - 105*
Terphenyl-d14 (Surr)	*76*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*

Lab Sample ID: 180-132142-15 MSD
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.701	0.492		mg/Kg	☼	70	41 - 100	6	22
Acenaphthylene	0.0022	J	0.701	0.515		mg/Kg	☼	73	45 - 100	7	23
Anthracene	ND		0.701	0.522		mg/Kg	☼	75	47 - 100	3	26
Benzo[a]anthracene	0.0034	J	0.701	0.533		mg/Kg	☼	76	47 - 100	0	24
Benzo[a]pyrene	0.0031	J	0.701	0.513		mg/Kg	☼	73	45 - 101	7	21
Benzo[b]fluoranthene	0.0049	J	0.701	0.508		mg/Kg	☼	72	44 - 100	5	26
Benzo[g,h,i]perylene	0.0029	J	0.701	0.524		mg/Kg	☼	74	45 - 103	7	22
Benzo[k]fluoranthene	ND		0.701	0.451		mg/Kg	☼	64	43 - 100	4	18
Chrysene	ND		0.701	0.524		mg/Kg	☼	75	44 - 100	1	26
Dibenz(a,h)anthracene	ND		0.701	0.533		mg/Kg	☼	76	46 - 107	7	24
Dibenzofuran	ND		0.701	0.503		mg/Kg	☼	72	47 - 100	6	19
2,4-Dinitrotoluene	ND		0.701	0.548		mg/Kg	☼	78	48 - 106	8	20
1,4-Dioxane	ND		0.701	0.228		mg/Kg	☼	32	10 - 133	13	40
Fluoranthene	0.0041	J	0.701	0.528		mg/Kg	☼	75	49 - 102	2	26
Fluorene	ND		0.701	0.506		mg/Kg	☼	72	46 - 100	8	22
Hexachlorobenzene	ND		0.701	0.509		mg/Kg	☼	73	45 - 101	2	27
Hexachlorobutadiene	ND		0.701	0.459		mg/Kg	☼	65	38 - 110	3	27
Hexachloroethane	ND		0.701	0.400		mg/Kg	☼	57	40 - 100	7	27
Indeno[1,2,3-cd]pyrene	ND		0.701	0.548		mg/Kg	☼	78	48 - 104	6	22
2-Methylphenol	ND		0.701	0.434		mg/Kg	☼	62	43 - 101	8	27
Methylphenol, 3 & 4	ND		0.701	0.443		mg/Kg	☼	63	43 - 104	9	24
Naphthalene	ND		0.701	0.466		mg/Kg	☼	67	43 - 100	5	28
Nitrobenzene	ND		0.701	0.471		mg/Kg	☼	67	43 - 107	3	28
Pentachlorophenol	ND		1.40	0.876		mg/Kg	☼	62	34 - 112	4	28
Phenanthrene	0.0021	J	0.701	0.506		mg/Kg	☼	72	46 - 100	5	27
Phenol	ND		0.701	0.429		mg/Kg	☼	61	42 - 103	9	30
Pyrene	0.0049	J	0.701	0.517		mg/Kg	☼	73	44 - 102	4	27
Pyridine	ND		1.40	0.449		mg/Kg	☼	32	25 - 109	8	31
2,4,5-Trichlorophenol	ND		0.701	0.518		mg/Kg	☼	74	47 - 108	8	19
2,4,6-Trichlorophenol	ND		0.701	0.510		mg/Kg	☼	73	47 - 108	5	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*67*		*32 - 105*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*
Phenol-d5 (Surr)	*69*		*34 - 105*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132142-15 MSD
Matrix: Solid
Analysis Batch: 384901

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384874

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Terphenyl-d14 (Surr)	*76*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-384892/1-A
Matrix: Solid
Analysis Batch: 385005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1262	ND		0.017	0.0059	mg/Kg		01/12/22 08:45	01/13/22 07:51	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/12/22 08:45	01/13/22 07:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*01/12/22 08:45*	*01/13/22 07:51*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*01/12/22 08:45*	*01/13/22 07:51*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*01/12/22 08:45*	*01/13/22 07:51*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*01/12/22 08:45*	*01/13/22 07:51*	*1*

Lab Sample ID: LCS 180-384892/2-A
Matrix: Solid
Analysis Batch: 385005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384892

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.26		mg/Kg		94	43 - 136		
PCB-1260			1.33	1.47		mg/Kg		110	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*

Lab Sample ID: 180-132142-15 MS
Matrix: Solid
Analysis Batch: 385005

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.43	1.33		mg/Kg	☼	93	43 - 136		
PCB-1260	ND		1.43	1.48		mg/Kg	☼	104	55 - 128		

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-132142-15 MS **Client Sample ID: SSHS-IRM5A2-A2-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 385005 **Prep Batch: 384892**

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	111		63 - 138
DCB Decachlorobiphenyl (Surr)	109		63 - 138
Tetrachloro-m-xylene (Surr)	106		55 - 135
Tetrachloro-m-xylene (Surr)	111		55 - 135

Lab Sample ID: 180-132142-15 MSD **Client Sample ID: SSHS-IRM5A2-A2-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 385005 **Prep Batch: 384892**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.40	1.32		mg/Kg	☼	94	43 - 136	1	40
PCB-1260	ND		1.40	1.52		mg/Kg	☼	108	55 - 128	2	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	113		63 - 138
DCB Decachlorobiphenyl (Surr)	110		63 - 138
Tetrachloro-m-xylene (Surr)	107		55 - 135
Tetrachloro-m-xylene (Surr)	111		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-384849/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 385128 **Prep Batch: 384849**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Barium	ND		20	3.6	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Beryllium	ND		0.40	0.11	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Cadmium	ND		0.50	0.073	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Chromium	ND		0.50	0.46	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Copper	ND		2.5	1.5	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Lead	ND		1.0	0.87	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Manganese	ND		1.5	0.28	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Nickel	ND		4.0	0.50	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Selenium	ND		1.0	0.46	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Silver	ND		0.50	0.10	mg/Kg		01/11/22 13:34	01/13/22 11:33	1
Zinc	ND		2.0	1.2	mg/Kg		01/11/22 13:34	01/13/22 11:33	1

Lab Sample ID: LCS 180-384849/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 385128 **Prep Batch: 384849**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120
Barium	100	97.7		mg/Kg		98	80 - 120
Beryllium	50.0	48.5		mg/Kg		97	80 - 120
Cadmium	50.0	48.7		mg/Kg		97	80 - 120
Chromium	50.0	46.9		mg/Kg		94	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-384849/2-A
Matrix: Solid
Analysis Batch: 385128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	50.0	50.2		mg/Kg		100	80 - 120
Lead	50.0	46.3		mg/Kg		93	80 - 120
Manganese	50.0	47.7		mg/Kg		95	80 - 120
Nickel	50.0	47.8		mg/Kg		96	80 - 120
Selenium	100	96.1		mg/Kg		96	80 - 120
Silver	25.0	24.0		mg/Kg		96	80 - 120
Zinc	25.0	23.8		mg/Kg		95	80 - 120

Lab Sample ID: 180-132142-15 MS
Matrix: Solid
Analysis Batch: 385128

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.8		88.3	75.6		mg/Kg	☼	80	75 - 125
Barium	41	F1	88.3	112		mg/Kg	☼	81	75 - 125
Beryllium	0.27	J F1	44.1	32.9	F1	mg/Kg	☼	74	75 - 125
Cadmium	0.095	J	44.1	33.9		mg/Kg	☼	77	75 - 125
Chromium	7.8	F1	44.1	40.7	F1	mg/Kg	☼	74	75 - 125
Copper	19		44.1	59.7		mg/Kg	☼	93	75 - 125
Lead	7.0	F1	44.1	44.2		mg/Kg	☼	84	75 - 125
Manganese	470	F2	44.1	443	4	mg/Kg	☼	-59	75 - 125
Nickel	13	F1	44.1	52.1		mg/Kg	☼	88	75 - 125
Selenium	ND		88.3	67.1		mg/Kg	☼	76	75 - 125
Silver	ND		22.1	16.7		mg/Kg	☼	76	75 - 125
Zinc	73	F2 F1	22.1	128	F1	mg/Kg	☼	248	75 - 125

Lab Sample ID: 180-132142-15 MSD
Matrix: Solid
Analysis Batch: 385128

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.8		88.3	73.3		mg/Kg	☼	78	75 - 125	3	20
Barium	41	F1	88.3	102	F1	mg/Kg	☼	70	75 - 125	9	20
Beryllium	0.27	J F1	44.1	32.7	F1	mg/Kg	☼	73	75 - 125	1	20
Cadmium	0.095	J	44.1	33.3		mg/Kg	☼	75	75 - 125	2	20
Chromium	7.8	F1	44.1	38.6	F1	mg/Kg	☼	70	75 - 125	5	20
Copper	19		44.1	52.3		mg/Kg	☼	76	75 - 125	13	20
Lead	7.0	F1	44.1	39.9	F1	mg/Kg	☼	74	75 - 125	10	20
Manganese	470	F2	44.1	336	4 F2	mg/Kg	☼	-303	75 - 125	28	20
Nickel	13	F1	44.1	46.0	F1	mg/Kg	☼	74	75 - 125	13	20
Selenium	ND		88.3	66.0		mg/Kg	☼	75	75 - 125	2	20
Silver	ND		22.1	16.6		mg/Kg	☼	75	75 - 125	1	20
Zinc	73	F2 F1	22.1	62.5	F2 F1	mg/Kg	☼	-50	75 - 125	69	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-384834/1-A
Matrix: Solid
Analysis Batch: 384939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/11/22 12:59	01/12/22 08:28	1

Lab Sample ID: LCS 180-384834/2-A
Matrix: Solid
Analysis Batch: 384939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.418		mg/Kg		100	80 - 120

Lab Sample ID: 180-132142-15 MS
Matrix: Solid
Analysis Batch: 384939

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.122	0.126		mg/Kg	☼	103	80 - 120

Lab Sample ID: 180-132142-15 MSD
Matrix: Solid
Analysis Batch: 384939

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.132	0.143		mg/Kg	☼	108	80 - 120	13	20

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-384937/1-A
Matrix: Solid
Analysis Batch: 385094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384937

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/12/22 09:33	01/13/22 15:14	1

Lab Sample ID: LCSI 180-384937/3-A
Matrix: Solid
Analysis Batch: 385094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384937

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	618		mg/Kg		87	80 - 120

Lab Sample ID: LCSS 180-384937/2-A
Matrix: Solid
Analysis Batch: 385094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384937

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.1		mg/Kg		80	80 - 120

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 180-132142-15 MSI
Matrix: Solid
Analysis Batch: 385094

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		766	652		mg/Kg	☼	85	75 - 125

Lab Sample ID: 180-132142-15 MSS
Matrix: Solid
Analysis Batch: 385094

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		21.5	17.1		mg/Kg	☼	79	75 - 125

Lab Sample ID: 180-132142-15 DU
Matrix: Solid
Analysis Batch: 385094

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384937

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-384953/4-A
Matrix: Solid
Analysis Batch: 385155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384953

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/12/22 12:45	01/12/22 18:56	1

Lab Sample ID: HLCS 180-384953/2-A
Matrix: Solid
Analysis Batch: 385155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384953

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.249		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-384953/3-A
Matrix: Solid
Analysis Batch: 385155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	24.5		mg/Kg		106	17 - 163

Lab Sample ID: LLCS 180-384953/1-A
Matrix: Solid
Analysis Batch: 385155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384953

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0504		mg/Kg		101	90 - 110

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132142-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: 180-132142-15 MS
Matrix: Solid
Analysis Batch: 385155

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384953

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		4.72	4.17		mg/Kg	☼	88	75 - 125		

Lab Sample ID: 180-132142-15 MSD
Matrix: Solid
Analysis Batch: 385155

Client Sample ID: SSHS-IRM5A2-A2-A40C
Prep Type: Total/NA
Prep Batch: 384953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.43	4.93		mg/Kg	☼	91	75 - 125	17	20

GC/MS VOA

Analysis Batch: 385134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-1	SSHS-IRM5A2-A2-A36A	Total/NA	Solid	EPA 8260C	385154
180-132142-14	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	EPA 8260C	385154
MB 180-385134/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385134/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-132142-14 MS	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	EPA 8260C	385154
180-132142-14 MSD	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	EPA 8260C	385154

Prep Batch: 385154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-1	SSHS-IRM5A2-A2-A36A	Total/NA	Solid	5035	
180-132142-14	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	5035	
180-132142-14 MS	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	5035	
180-132142-14 MSD	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	5035	

Analysis Batch: 385254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-2	SSHS-IRM5A2-A2-A36B	Total/NA	Solid	EPA 8260C	385263
180-132142-4	SSHS-IRM5A2-A2-A37A	Total/NA	Solid	EPA 8260C	385263
180-132142-5	SSHS-IRM5A2-A2-A37B	Total/NA	Solid	EPA 8260C	385263
180-132142-7	SSHS-IRM5A2-A2-A38A	Total/NA	Solid	EPA 8260C	385263
180-132142-8	SSHS-IRM5A2-A2-A38B	Total/NA	Solid	EPA 8260C	385263
180-132142-10	SSHS-IRM5A2-A2-A39A	Total/NA	Solid	EPA 8260C	385263
180-132142-11	SSHS-IRM5A2-A2-A39B	Total/NA	Solid	EPA 8260C	385263
180-132142-13	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	EPA 8260C	385263
180-132142-17	SSHS-IRM5A2-A2-A41B	Total/NA	Solid	EPA 8260C	385263
180-132142-19	SSHS-IRM5A2-A2-A42A	Total/NA	Solid	EPA 8260C	385263
180-132142-20	SSHS-IRM5A2-A2-A42B	Total/NA	Solid	EPA 8260C	385263
180-132142-22	SSHS-IRM5A2-A2-A43A	Total/NA	Solid	EPA 8260C	385263
180-132142-23	SSHS-IRM5A2-A2-A43B	Total/NA	Solid	EPA 8260C	385263
180-132142-25	SSHS-IRM5A2-A2-DUP10A	Total/NA	Solid	EPA 8260C	385263
MB 180-385254/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385254/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-132142-13 MS	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	EPA 8260C	385263
180-132142-13 MSD	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	EPA 8260C	385263

Prep Batch: 385263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-2	SSHS-IRM5A2-A2-A36B	Total/NA	Solid	5035	
180-132142-4	SSHS-IRM5A2-A2-A37A	Total/NA	Solid	5035	
180-132142-5	SSHS-IRM5A2-A2-A37B	Total/NA	Solid	5035	
180-132142-7	SSHS-IRM5A2-A2-A38A	Total/NA	Solid	5035	
180-132142-8	SSHS-IRM5A2-A2-A38B	Total/NA	Solid	5035	
180-132142-10	SSHS-IRM5A2-A2-A39A	Total/NA	Solid	5035	
180-132142-11	SSHS-IRM5A2-A2-A39B	Total/NA	Solid	5035	
180-132142-13	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	5035	
180-132142-17	SSHS-IRM5A2-A2-A41B	Total/NA	Solid	5035	
180-132142-19	SSHS-IRM5A2-A2-A42A	Total/NA	Solid	5035	
180-132142-20	SSHS-IRM5A2-A2-A42B	Total/NA	Solid	5035	
180-132142-22	SSHS-IRM5A2-A2-A43A	Total/NA	Solid	5035	
180-132142-23	SSHS-IRM5A2-A2-A43B	Total/NA	Solid	5035	
180-132142-25	SSHS-IRM5A2-A2-DUP10A	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 385263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-13 MS	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	5035	
180-132142-13 MSD	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	5035	

Analysis Batch: 385370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-16	SSHS-IRM5A2-A2-A41A	Total/NA	Solid	EPA 8260C	385375
180-132142-26	SSHS-IRM5A2-A2-DUP10B	Total/NA	Solid	EPA 8260C	385375
MB 180-385370/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385370/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-385370/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 385375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-16	SSHS-IRM5A2-A2-A41A	Total/NA	Solid	5035	
180-132142-26	SSHS-IRM5A2-A2-DUP10B	Total/NA	Solid	5035	

GC/MS Semi VOA

Analysis Batch: 384767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-6 - DL	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 8270D LL	384874

Prep Batch: 384874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	3541	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3541	
180-132142-6 - DL	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3541	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	3541	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	3541	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3541	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	3541	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	3541	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	3541	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	3541	
MB 180-384874/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-384874/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3541	
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3541	

Analysis Batch: 384901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	EPA 8270D LL	384874
MB 180-384874/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	384874

GC/MS Semi VOA (Continued)

Analysis Batch: 384901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-384874/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	384874
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 8270D LL	384874
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 8270D LL	384874

GC Semi VOA

Prep Batch: 384892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	3541	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3541	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	3541	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	3541	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3541	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	3541	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	3541	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	3541	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	3541	
MB 180-384892/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-384892/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3541	
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3541	

Cleanup Batch: 385001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	3665A	384892
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3665A	384892
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	3665A	384892
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	3665A	384892
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3665A	384892
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	3665A	384892
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	3665A	384892
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	3665A	384892
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	3665A	384892
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3665A	384892
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3665A	384892

Cleanup Batch: 385003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	3660B	385001
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3660B	385001
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	3660B	385001
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	3660B	385001
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3660B	385001
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	3660B	385001
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	3660B	385001
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	3660B	385001
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	3660B	385001
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3660B	385001
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3660B	385001

GC Semi VOA

Analysis Batch: 385005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	EPA 8082A	385003
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 8082A	385003
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	EPA 8082A	385003
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	EPA 8082A	385003
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 8082A	385003
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	EPA 8082A	385003
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	EPA 8082A	385003
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	EPA 8082A	385003
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	EPA 8082A	385003
MB 180-384892/1-A	Method Blank	Total/NA	Solid	EPA 8082A	384892
LCS 180-384892/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	384892
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 8082A	385003
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 8082A	385003

Metals

Prep Batch: 384834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	7471B	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	7471B	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	7471B	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	7471B	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	7471B	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	7471B	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	7471B	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	7471B	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	7471B	
MB 180-384834/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-384834/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	7471B	
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	7471B	

Prep Batch: 384849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	3050B	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3050B	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	3050B	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	3050B	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3050B	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	3050B	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	3050B	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	3050B	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	3050B	
MB 180-384849/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-384849/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3050B	
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3050B	

Analysis Batch: 384939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	EPA 7471B	384834

Metals (Continued)

Analysis Batch: 384939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 7471B	384834
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	EPA 7471B	384834
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	EPA 7471B	384834
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7471B	384834
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	EPA 7471B	384834
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	EPA 7471B	384834
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	EPA 7471B	384834
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	EPA 7471B	384834
MB 180-384834/1-A	Method Blank	Total/NA	Solid	EPA 7471B	384834
LCS 180-384834/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	384834
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7471B	384834
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7471B	384834

Analysis Batch: 385128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	EPA 6010C	384849
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 6010C	384849
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	EPA 6010C	384849
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	EPA 6010C	384849
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 6010C	384849
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	EPA 6010C	384849
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	EPA 6010C	384849
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	EPA 6010C	384849
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	EPA 6010C	384849
MB 180-384849/1-A	Method Blank	Total/NA	Solid	EPA 6010C	384849
LCS 180-384849/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	384849
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 6010C	384849
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 6010C	384849

General Chemistry

Analysis Batch: 384925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	2540G	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	2540G	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	2540G	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	2540G	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	2540G	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	2540G	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	2540G	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	2540G	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	2540G	

Prep Batch: 384937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	3060A	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	3060A	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	3060A	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	3060A	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3060A	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 384937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	3060A	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	3060A	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	3060A	
MB 180-384937/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-384937/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-384937/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-132142-15 MSI	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3060A	
180-132142-15 MSS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3060A	
180-132142-15 DU	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	3060A	

Prep Batch: 384953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	9010C	
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	9010C	
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	9010C	
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	9010C	
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	9010C	
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	9010C	
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	9010C	
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	9010C	
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	9010C	
MB 180-384953/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-384953/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-384953/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-384953/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	9010C	
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	9010C	

Analysis Batch: 385060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-1	SSHS-IRM5A2-A2-A36A	Total/NA	Solid	2540G	
180-132142-2	SSHS-IRM5A2-A2-A36B	Total/NA	Solid	2540G	
180-132142-4	SSHS-IRM5A2-A2-A37A	Total/NA	Solid	2540G	
180-132142-7	SSHS-IRM5A2-A2-A38A	Total/NA	Solid	2540G	

Analysis Batch: 385081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-5	SSHS-IRM5A2-A2-A37B	Total/NA	Solid	2540G	
180-132142-8	SSHS-IRM5A2-A2-A38B	Total/NA	Solid	2540G	
180-132142-10	SSHS-IRM5A2-A2-A39A	Total/NA	Solid	2540G	
180-132142-11	SSHS-IRM5A2-A2-A39B	Total/NA	Solid	2540G	
180-132142-13	SSHS-IRM5A2-A2-A40A	Total/NA	Solid	2540G	
180-132142-14	SSHS-IRM5A2-A2-A40B	Total/NA	Solid	2540G	
180-132142-16	SSHS-IRM5A2-A2-A41A	Total/NA	Solid	2540G	
180-132142-17	SSHS-IRM5A2-A2-A41B	Total/NA	Solid	2540G	
180-132142-19	SSHS-IRM5A2-A2-A42A	Total/NA	Solid	2540G	
180-132142-20	SSHS-IRM5A2-A2-A42B	Total/NA	Solid	2540G	
180-132142-22	SSHS-IRM5A2-A2-A43A	Total/NA	Solid	2540G	
180-132142-23	SSHS-IRM5A2-A2-A43B	Total/NA	Solid	2540G	
180-132142-25	SSHS-IRM5A2-A2-DUP10A	Total/NA	Solid	2540G	
180-132142-26	SSHS-IRM5A2-A2-DUP10B	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 385094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	EPA 7196A	384937
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 7196A	384937
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	EPA 7196A	384937
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	EPA 7196A	384937
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7196A	384937
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	EPA 7196A	384937
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	EPA 7196A	384937
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	EPA 7196A	384937
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	EPA 7196A	384937
MB 180-384937/1-A	Method Blank	Total/NA	Solid	EPA 7196A	384937
LCSI 180-384937/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	384937
LCSS 180-384937/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	384937
180-132142-15 MSI	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7196A	384937
180-132142-15 MSS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7196A	384937
180-132142-15 DU	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 7196A	384937

Analysis Batch: 385155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132142-3	SSHS-IRM5A2-A2-A36C	Total/NA	Solid	EPA 9014	384953
180-132142-6	SSHS-IRM5A2-A2-A37C	Total/NA	Solid	EPA 9014	384953
180-132142-9	SSHS-IRM5A2-A2-A38C	Total/NA	Solid	EPA 9014	384953
180-132142-12	SSHS-IRM5A2-A2-A39C	Total/NA	Solid	EPA 9014	384953
180-132142-15	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 9014	384953
180-132142-18	SSHS-IRM5A2-A2-A41C	Total/NA	Solid	EPA 9014	384953
180-132142-21	SSHS-IRM5A2-A2-A42C	Total/NA	Solid	EPA 9014	384953
180-132142-24	SSHS-IRM5A2-A2-A43C	Total/NA	Solid	EPA 9014	384953
180-132142-27	SSHS-IRM5A2-A2-DUP10C	Total/NA	Solid	EPA 9014	384953
MB 180-384953/4-A	Method Blank	Total/NA	Solid	EPA 9014	384953
HLCS 180-384953/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384953
LCS 180-384953/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384953
LLCS 180-384953/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	384953
180-132142-15 MS	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 9014	384953
180-132142-15 MSD	SSHS-IRM5A2-A2-A40C	Total/NA	Solid	EPA 9014	384953

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A36A	1/10/22	1200	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A36B	1/10/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A36C	1/10/22	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A37A	1/10/22	1220	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A37B	1/10/22	1220	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A37C	1/10/22	1220	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A38A	1/10/22	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A38B	1/10/22	1240	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A38C	1/10/22	1240	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A39A	1/10/22	1410	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A39B	1/10/22	1410	G	S	N	N	X													4	

180-132142 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/13/22 1500			1/11/22 1030	EA PIT
Relinquished by:	Date/Time: 2022	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7199A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A39C	1/10/22	1410	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A40A	1/10/22	1430	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A40B	1/10/22	1430	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A40C	1/10/22	1430	C	S	N	Y		X	X	X	X	X	X	X						10	
SSHS-IRM5A2-A2-A41A	1/10/22	1520	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A41B	1/10/22	1520	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A41C	1/10/22	1520	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A42A	1/10/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A42B	1/10/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A42C	1/10/22	1540	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A43A	1/10/22	1550	G	S	N		N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/10/2022 1500	Geosyntec		1/11/22 1030	EA PHX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

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Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A43B	1/10/22	1550	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A43C	1/10/22	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP10A	1/10/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP10B	1/10/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP10C	1/10/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/10/2022 1600	[illegible]	[signature]	1/11/22 1030	EET Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1
Company: Geosyntec Consultants, Inc.				Page: Page 1 of 3
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				Preservation Codes:
Phone: 410-381-4333	PO #: MN08321			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-132142 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A36A	1/10/22	1200	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A36B	1/10/22	1200	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A36C	1/10/22	1200	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A37A	1/10/22	1220	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A37B	1/10/22	1220	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A37C	1/10/22	1220	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A38A	1/10/22	1240	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A38B	1/10/22	1240	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A38C	1/10/22	1240	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A39A	1/10/22	1410	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A39B	1/10/22	1410	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	1/10/22 1800			1-11-22 11:00	EETSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.8

Ver: 01/16/2019

1/18/2022

Eurofins Test America, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: MK Dempsey & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested		
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7199A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	FJ	N	N	N	N	N	N	N								
SSHS-IRM5A2-A2-A39C	1/10/22	1410	C	S	N	N		X	X	X	X	X	X	X							5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A40A	1/10/22	1430	G	S	N	Y	X														12	
SSHS-IRM5A2-A2-A40B	1/10/22	1430	G	S	N	Y	X														12	
SSHS-IRM5A2-A2-A40C	1/10/22	1430	C	S	N	Y		X	X	X	X	X	X	X							10	
SSHS-IRM5A2-A2-A41A	1/10/22	1520	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A41B	1/10/22	1520	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A41C	1/10/22	1520	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A42A	1/10/22	1540	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A42B	1/10/22	1540	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A42C	1/10/22	1540	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A43A	1/10/22	1550	G	S	N		N	X													4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/11/22 1500				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1-11-22 11:00	Company: EE TSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8

Ver: 01/16/2019

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1/18/2022

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested		
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A43B	1/10/22	1550	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A43C	1/10/22	1550	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP10A	1/10/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP10B	1/10/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP10C	1/10/22		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:
Relinquished by	Date/Time: 1/10/22 1600	Company: Geosyntec	Received by:	Date/Time: 1-11-22 11:00	Company: EETSAC
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8

Ver. 01/16/2019

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1/18/2022

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes


180-132142 Field Sheet

Job: _____

Tracking # : 7756 9056 5080

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-02 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: –

Cooler ID: –

Temp Observed: 0.6 °C Corrected: 0.6 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: DH Date: 1/11/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 1-11-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 1-11-22

WR3-378



ORIGIN ID:ELMA (240) 930-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 10JAN22
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

FedEx Express

J21222112601uv

TUE - 11 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7756 9056 5080

XW BLUA

95605
CA-US SMF

560J201EF/FE4A

FedEx Ship Manager - Print Your Label(s)

8 AM

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132142-1

Login Number: 132142
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132196-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/20/2022 1:54:01 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-132196-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132196-1

Comments
The cooler shipments were delayed by one day by FEDEX to both laboratories. The samples were received slightly past the 48 hour terracore freezing holding time for samples SSHS-IRM5A2-A2-A44A (180-132196-1) and SSHS-IRM5A2-A2-A44B (180-132196-2). The terracores were put in frozen storage at 10:17am on 1/13/22. At the direction of the client, the volatiles analysis was to be completed.

Receipt
The samples were received on 1/13/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.3º C, 2.8º C and 3.5º C.

GC/MS VOA
Method 8260C: The recovery of surrogate Toluene-d8 for the following sample was above the control limits: SSHS-IRM5A2-A2-A45A (180-132196-4). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A50C (180-132196-21), SSHS-IRM5A2-A2-A51C (180-132196-24), SSHS-IRM5A2-A2-A52C (180-132196-27), and SSHS-IRM5A2-A2-DUP11C (180-132196-30). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-385337 was above criteria for the following analytes: Hexachlorobutadiene and Terphenyl-d14 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A50C (180-132196-21), SSHS-IRM5A2-A2-A51C (180-132196-24), SSHS-IRM5A2-A2-A52C (180-132196-27), and SSHS-IRM5A2-A2-DUP11C (180-132196-30). Elevated reporting limits (RLs) are provided.

Method 8082A: Sample SSHS-IRM5A2-A2-A50C (180-132196-21) had the recovery of surrogate decachlorobiphenyl above the control limits on column RTX-CLP2. The recovery on column RTX-CLP1 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-385310 (CCV 180-385310/1) was below criteria for aroclor 1254 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-385310 (CCV 180-385310/7) was below criteria for aroclor 1248 for 2 peaks on column RTX-CLP1 and 1 peak on column RTX-CLP2. Associated sample results for aroclor 1248 did not have these peaks included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A45C (180-132196-6) had several recoveries and the RPD between the spikes for manganese outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-132196-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H3	Sample was received and analyzed past holding time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132196-1	SSHS-IRM5A2-A2-A44A	Solid	01/11/22 10:01	01/13/22 10:15
180-132196-2	SSHS-IRM5A2-A2-A44B	Solid	01/11/22 10:02	01/13/22 10:15
180-132196-3	SSHS-IRM5A2-A2-A44C	Solid	01/11/22 10:00	01/13/22 10:15
180-132196-4	SSHS-IRM5A2-A2-A45A	Solid	01/11/22 10:21	01/13/22 10:15
180-132196-5	SSHS-IRM5A2-A2-A45B	Solid	01/11/22 10:22	01/13/22 10:15
180-132196-6	SSHS-IRM5A2-A2-A45C	Solid	01/11/22 10:20	01/13/22 10:15
180-132196-7	SSHS-IRM5A2-A2-A46A	Solid	01/11/22 10:31	01/13/22 10:15
180-132196-8	SSHS-IRM5A2-A2-A46B	Solid	01/11/22 10:32	01/13/22 10:15
180-132196-9	SSHS-IRM5A2-A2-A46C	Solid	01/11/22 10:30	01/13/22 10:15
180-132196-10	SSHS-IRM5A2-A2-A47A	Solid	01/11/22 10:46	01/13/22 10:15
180-132196-11	SSHS-IRM5A2-A2-A47B	Solid	01/11/22 10:47	01/13/22 10:15
180-132196-12	SSHS-IRM5A2-A2-A47C	Solid	01/11/22 10:45	01/13/22 10:15
180-132196-13	SSHS-IRM5A2-A2-A48A	Solid	01/11/22 11:30	01/13/22 10:15
180-132196-14	SSHS-IRM5A2-A2-A48B	Solid	01/11/22 11:35	01/13/22 10:15
180-132196-15	SSHS-IRM5A2-A2-A48C	Solid	01/11/22 11:40	01/13/22 10:15
180-132196-16	SSHS-IRM5A2-A2-A49A	Solid	01/11/22 14:20	01/13/22 10:15
180-132196-17	SSHS-IRM5A2-A2-A49B	Solid	01/11/22 14:25	01/13/22 10:15
180-132196-18	SSHS-IRM5A2-A2-A49C	Solid	01/11/22 14:30	01/13/22 10:15
180-132196-19	SSHS-IRM5A2-A2-A50A	Solid	01/11/22 14:35	01/13/22 10:15
180-132196-20	SSHS-IRM5A2-A2-A50B	Solid	01/11/22 14:40	01/13/22 10:15
180-132196-21	SSHS-IRM5A2-A2-A50C	Solid	01/11/22 14:45	01/13/22 10:15
180-132196-22	SSHS-IRM5A2-A2-A51A	Solid	01/11/22 14:50	01/13/22 10:15
180-132196-23	SSHS-IRM5A2-A2-A51B	Solid	01/11/22 14:55	01/13/22 10:15
180-132196-24	SSHS-IRM5A2-A2-A51C	Solid	01/11/22 15:00	01/13/22 10:15
180-132196-25	SSHS-IRM5A2-A2-A52A	Solid	01/11/22 15:20	01/13/22 10:15
180-132196-26	SSHS-IRM5A2-A2-A52B	Solid	01/11/22 15:25	01/13/22 10:15
180-132196-27	SSHS-IRM5A2-A2-A52C	Solid	01/11/22 15:30	01/13/22 10:15
180-132196-28	SSHS-IRM5A2-A2-DUP11A	Solid	01/11/22 00:00	01/13/22 10:15
180-132196-29	SSHS-IRM5A2-A2-DUP11B	Solid	01/11/22 00:00	01/13/22 10:15
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Solid	01/11/22 00:00	01/13/22 10:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A44A
Lab Sample ID: 180-132196-1
Date Collected: 01/11/22 10:01
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A44A
Lab Sample ID: 180-132196-1
Date Collected: 01/11/22 10:01
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9973 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 20:47	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A44B
Lab Sample ID: 180-132196-2
Date Collected: 01/11/22 10:02
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A44B
Lab Sample ID: 180-132196-2
Date Collected: 01/11/22 10:02
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0185 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 11:07	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A44C
Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A44C
Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.47 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385322	01/18/22 00:18	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A44C

Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.10 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385310	01/17/22 11:48	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.70 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 14:13	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.66 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:29	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.47 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 15:58	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:02	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A45A

Lab Sample ID: 180-132196-4
Date Collected: 01/11/22 10:21
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A45A

Lab Sample ID: 180-132196-4
Date Collected: 01/11/22 10:21
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4506 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 17:19	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A45B

Lab Sample ID: 180-132196-5
Date Collected: 01/11/22 10:22
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A45B
Date Collected: 01/11/22 10:22
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-5
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.146 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 11:31	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A45C
Date Collected: 01/11/22 10:20
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A45C
Date Collected: 01/11/22 10:20
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-6
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.39 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385322	01/18/22 01:25	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.49 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385310	01/17/22 12:44	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.51 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 14:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.81 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:30	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.45 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 15:59	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:04	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A46A
Date Collected: 01/11/22 10:31
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A46A — Lab Sample ID: 180-132196-7

Date Collected: 01/11/22 10:31 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1147 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 18:05	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A46B — Lab Sample ID: 180-132196-8

Date Collected: 01/11/22 10:32 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A46B — Lab Sample ID: 180-132196-8

Date Collected: 01/11/22 10:32 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0884 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 11:54	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A46C — Lab Sample ID: 180-132196-9

Date Collected: 01/11/22 10:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A46C — Lab Sample ID: 180-132196-9

Date Collected: 01/11/22 10:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 93.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.27 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385337	01/17/22 15:20	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.43 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385310	01/17/22 13:03	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.40 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 14:49	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A46C
Lab Sample ID: 180-132196-9
Date Collected: 01/11/22 10:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.71 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:31	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:04	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:21	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A47A
Lab Sample ID: 180-132196-10
Date Collected: 01/11/22 10:46
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A47A
Lab Sample ID: 180-132196-10
Date Collected: 01/11/22 10:46
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1626 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 18:51	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A47B
Lab Sample ID: 180-132196-11
Date Collected: 01/11/22 10:47
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A47B
Lab Sample ID: 180-132196-11
Date Collected: 01/11/22 10:47
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5719 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 19:14	PJJ	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A47C
Lab Sample ID: 180-132196-12
Date Collected: 01/11/22 10:45
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385221	01/14/22 15:03	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A47C
Lab Sample ID: 180-132196-12
Date Collected: 01/11/22 10:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.27 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385337	01/17/22 15:42	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.38 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385310	01/17/22 13:22	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.77 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 14:54	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.91 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:32	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:05	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:11	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A48A
Lab Sample ID: 180-132196-13
Date Collected: 01/11/22 11:30
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385361	01/17/22 14:49	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A48A
Lab Sample ID: 180-132196-13
Date Collected: 01/11/22 11:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0474 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 12:18	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A48B — Lab Sample ID: 180-132196-14

Date Collected: 01/11/22 11:35 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385476	01/18/22 16:12	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A48B — Lab Sample ID: 180-132196-14

Date Collected: 01/11/22 11:35 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8115 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 20:01	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A48C — Lab Sample ID: 180-132196-15

Date Collected: 01/11/22 11:40 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A48C — Lab Sample ID: 180-132196-15

Date Collected: 01/11/22 11:40 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.24 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385337	01/17/22 16:04	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.47 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385310	01/17/22 13:41	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.40 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 14:59	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:33	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.54 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 15:51	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:12	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A49A — Lab Sample ID: 180-132196-16
Date Collected: 01/11/22 14:20 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385476	01/18/22 16:12	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A49A — Lab Sample ID: 180-132196-16
Date Collected: 01/11/22 14:20 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 96.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0819 g	5 mL	385293	01/16/22 10:55	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385287	01/16/22 20:24	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A49B — Lab Sample ID: 180-132196-17
Date Collected: 01/11/22 14:25 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A49B — Lab Sample ID: 180-132196-17
Date Collected: 01/11/22 14:25 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 12:41	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A49C — Lab Sample ID: 180-132196-18
Date Collected: 01/11/22 14:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A49C — Lab Sample ID: 180-132196-18
Date Collected: 01/11/22 14:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.11 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385337	01/17/22 16:26	VVP	TAL PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A49C

Lab Sample ID: 180-132196-18
Date Collected: 01/11/22 14:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.02 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385310	01/17/22 14:00	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.28 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:12	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.71 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:34	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.45 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:06	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:14	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A50A

Lab Sample ID: 180-132196-19
Date Collected: 01/11/22 14:35
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A50A

Lab Sample ID: 180-132196-19
Date Collected: 01/11/22 14:35
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1102 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 13:05	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A50B

Lab Sample ID: 180-132196-20
Date Collected: 01/11/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A50B
Lab Sample ID: 180-132196-20
Date Collected: 01/11/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0164 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 13:28	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A50C
Lab Sample ID: 180-132196-21
Date Collected: 01/11/22 14:45
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A50C
Lab Sample ID: 180-132196-21
Date Collected: 01/11/22 14:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.18 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		4	1 mL	1 mL	385337	01/17/22 16:48	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.37 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			385366	01/18/22 21:46	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.54 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.83 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:35	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.45 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:08	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:16	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A51A
Lab Sample ID: 180-132196-22
Date Collected: 01/11/22 14:50
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A51A
Date Collected: 01/11/22 14:50
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-22
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8861 g	5 mL	385508	01/19/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385504	01/19/22 08:56	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A51B
Date Collected: 01/11/22 14:55
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A51B
Date Collected: 01/11/22 14:55
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-23
Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2916 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 14:14	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A51C
Date Collected: 01/11/22 15:00
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A51C
Date Collected: 01/11/22 15:00
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-24
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.35 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	385337	01/17/22 17:10	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.06 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			385366	01/18/22 22:05	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.29 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:22	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A51C
Lab Sample ID: 180-132196-24
Date Collected: 01/11/22 15:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:36	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.47 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:09	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.29 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:18	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A52A
Lab Sample ID: 180-132196-25
Date Collected: 01/11/22 15:20
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385476	01/18/22 16:12	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A52A
Lab Sample ID: 180-132196-25
Date Collected: 01/11/22 15:20
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1076 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 14:38	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A52B
Lab Sample ID: 180-132196-26
Date Collected: 01/11/22 15:25
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385476	01/18/22 16:12	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A52B
Lab Sample ID: 180-132196-26
Date Collected: 01/11/22 15:25
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 74.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1957 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 15:01	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A52C
Lab Sample ID: 180-132196-27
Date Collected: 01/11/22 15:30
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A52C
Lab Sample ID: 180-132196-27
Date Collected: 01/11/22 15:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.11 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	385337	01/17/22 17:32	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.05 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			385366	01/18/22 22:24	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.84 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:26	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.81 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:37	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.45 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:10	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:19	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-DUP11A
Lab Sample ID: 180-132196-28
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP11A
Lab Sample ID: 180-132196-28
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1365 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 15:24	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP11B
Lab Sample ID: 180-132196-29
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385477	01/18/22 16:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP11B
Lab Sample ID: 180-132196-29
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9345 g	5 mL	385508	01/19/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385504	01/19/22 10:06	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP11C
Lab Sample ID: 180-132196-30
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP11C
Lab Sample ID: 180-132196-30
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.11 g	0.5 mL	385159	01/14/22 09:24	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		10	1 mL	1 mL	385337	01/17/22 17:54	VVP	TAL PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.37 g	20.0 mL	385165	01/14/22 10:10	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385302	01/17/22 02:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385303	01/17/22 02:37	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			385366	01/18/22 22:42	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.64 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:31	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	385100	01/13/22 15:03	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 12:41	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:12	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:21	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KLG = Kathy Gordon
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RGM = Rebecca Manns
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - CMT = Cassandra Tlumac
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - KEM = Kimberly Mahoney
  - KLG = Kathy Gordon
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A44A

Lab Sample ID: 180-132196-1

Date Collected: 01/11/22 10:01
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 97.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	H3	0.017	0.0033	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Benzene	ND	H3	0.0043	0.0012	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
2-Butanone (MEK)	ND	H3	0.0043	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Carbon tetrachloride	ND	H3	0.0043	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Chlorobenzene	ND	H3	0.0043	0.0011	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Chloroform	ND	H3	0.0043	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
cis-1,2-Dichloroethene	ND	H3	0.0043	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,2-Dichlorobenzene	ND	H3	0.0043	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,3-Dichlorobenzene	ND	H3	0.0043	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,4-Dichlorobenzene	ND	H3	0.0043	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,1-Dichloroethane	ND	H3	0.0043	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,2-Dichloroethane	ND	H3	0.0043	0.0012	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,1-Dichloroethene	ND	H3	0.0043	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,4-Dioxane	ND	H3	0.85	0.030	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Ethylbenzene	ND	H3	0.0043	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Methylene Chloride	ND	H3	0.0043	0.0039	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Methyl tert-butyl ether	ND	H3	0.0043	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
n-Butylbenzene	ND	H3	0.0043	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
N-Propylbenzene	ND	H3	0.0043	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
sec-Butylbenzene	ND	H3	0.0043	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
tert-Butylbenzene	ND	H3	0.0043	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Tetrachloroethene	ND	H3	0.0043	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Toluene	ND	H3	0.0043	0.0012	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
trans-1,2-Dichloroethene	ND	H3	0.0043	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,1,1-Trichloroethane	ND	H3	0.0043	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Trichloroethene	ND	H3	0.0043	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,2,4-Trimethylbenzene	ND	H3	0.0043	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
1,3,5-Trimethylbenzene	ND	H3	0.0043	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Vinyl chloride	ND	H3	0.0043	0.0031	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1
Xylenes, Total	ND	H3	0.0085	0.0062	mg/Kg	☼	01/16/22 10:55	01/16/22 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*01/16/22 10:55*	*01/16/22 20:47*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*01/16/22 10:55*	*01/16/22 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*01/16/22 10:55*	*01/16/22 20:47*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*01/16/22 10:55*	*01/16/22 20:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**2.4**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**97.6**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A44B

Lab Sample ID: 180-132196-2

Date Collected: 01/11/22 10:02
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	H3	0.021	0.0041	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Benzene	ND	H3	0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1

Client Sample ID: SSHS-IRM5A2-A2-A44B

Lab Sample ID: 180-132196-2
Date Collected: 01/11/22 10:02
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	H3	0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Carbon tetrachloride	ND	H3	0.0052	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Chlorobenzene	ND	H3	0.0052	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Chloroform	ND	H3	0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
cis-1,2-Dichloroethene	ND	H3	0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,2-Dichlorobenzene	ND	H3	0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,3-Dichlorobenzene	ND	H3	0.0052	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,4-Dichlorobenzene	ND	H3	0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,1-Dichloroethane	ND	H3	0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,2-Dichloroethane	ND	H3	0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,1-Dichloroethene	ND	H3	0.0052	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,4-Dioxane	ND	H3	1.0	0.037	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Ethylbenzene	ND	H3	0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Methylene Chloride	ND	H3	0.0052	0.0047	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Methyl tert-butyl ether	ND	H3	0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
n-Butylbenzene	ND	H3	0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
N-Propylbenzene	ND	H3	0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
sec-Butylbenzene	ND	H3	0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
tert-Butylbenzene	ND	H3	0.0052	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Tetrachloroethene	ND	H3	0.0052	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Toluene	ND	H3	0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
trans-1,2-Dichloroethene	ND	H3	0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,1,1-Trichloroethane	ND	H3	0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Trichloroethene	ND	H3	0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,2,4-Trimethylbenzene	ND	H3	0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
1,3,5-Trimethylbenzene	ND	H3	0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Vinyl chloride	ND	H3	0.0052	0.0037	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1
Xylenes, Total	ND	H3	0.010	0.0075	mg/Kg	☼	01/18/22 06:00	01/18/22 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/18/22 06:00*	*01/18/22 11:07*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/18/22 06:00*	*01/18/22 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*01/18/22 06:00*	*01/18/22 11:07*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*01/18/22 06:00*	*01/18/22 11:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.1**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**95.9**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A44C

Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0068	0.0020	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Acenaphthylene	ND		0.0068	0.0015	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Anthracene	ND		0.0068	0.0018	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Benzo[a]anthracene	ND		0.0068	0.0031	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-132196-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A44C
Lab Sample ID: 180-132196-3
Date Collected: 01/11/22 10:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0068	0.0029	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Benzo[b]fluoranthene	**0.0018**	**J**	0.0068	0.0017	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Benzo[g,h,i]perylene	**0.0018**	**J**	0.0068	0.0015	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Benzo[k]fluoranthene	ND		0.0068	0.0020	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Chrysene	ND		0.0068	0.0038	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Dibenz(a,h)anthracene	ND		0.0068	0.0044	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
2,4-Dinitrotoluene	ND		0.034	0.020	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
1,4-Dioxane	ND		0.068	0.011	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Fluoranthene	**0.0024**	**J**	0.0068	0.0018	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Fluorene	ND		0.0068	0.0013	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Hexachlorobenzene	ND		0.0068	0.0024	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Hexachlorobutadiene	ND		0.0068	0.0020	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Indeno[1,2,3-cd]pyrene	ND		0.0068	0.0034	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
2-Methylphenol	ND		0.034	0.0097	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Naphthalene	ND		0.0068	0.0013	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Nitrobenzene	ND		0.068	0.012	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Pentachlorophenol	ND		0.17	0.055	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Phenanthrene	**0.0023**	**J**	0.0068	0.0018	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Phenol	ND		0.034	0.010	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Pyrene	**0.0029**	**J**	0.0068	0.0016	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
Pyridine	ND		0.068	0.018	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	01/14/22 09:24	01/18/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*01/14/22 09:24*	*01/18/22 00:18*	*1*
2-Fluorophenol (Surr)	*62*		*32 - 105*	*01/14/22 09:24*	*01/18/22 00:18*	*1*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*	*01/14/22 09:24*	*01/18/22 00:18*	*1*
Phenol-d5 (Surr)	*61*		*34 - 105*	*01/14/22 09:24*	*01/18/22 00:18*	*1*
Terphenyl-d14 (Surr)	*70*		*20 - 117*	*01/14/22 09:24*	*01/18/22 00:18*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*20 - 119*	*01/14/22 09:24*	*01/18/22 00:18*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1248	**0.038**		0.017	0.0042	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1254	**0.049**		0.017	0.0052	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 10:10	01/17/22 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*01/14/22 10:10*	*01/17/22 11:48*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*01/14/22 10:10*	*01/17/22 11:48*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A44C — Lab Sample ID: 180-132196-3

Date Collected: 01/11/22 10:00 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 95.1**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*01/14/22 10:10*	*01/17/22 11:48*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*01/14/22 10:10*	*01/17/22 11:48*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.62	0.39	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Barium	**38**		12	2.2	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Beryllium	**0.19**	**J**	0.25	0.067	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Cadmium	**0.085**	**J**	0.31	0.045	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Chromium	**5.8**		0.31	0.28	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Copper	**21**		1.5	0.93	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Lead	**6.4**		0.62	0.54	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Manganese	**400**		0.93	0.17	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Nickel	**13**		2.5	0.31	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Selenium	**0.32**	**J**	0.62	0.29	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Silver	ND		0.31	0.064	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1
Zinc	**49**		1.2	0.74	mg/Kg	☼	01/13/22 15:41	01/14/22 14:13	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	01/13/22 15:03	01/14/22 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.9**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**95.1**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 15:58	1
Cyanide, Total	ND		0.46	0.35	mg/Kg	☼	01/18/22 12:30	01/18/22 18:02	1

Client Sample ID: SSHS-IRM5A2-A2-A45A — Lab Sample ID: 180-132196-4

Date Collected: 01/11/22 10:21 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 86.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1

Client Sample ID: SSHS-IRM5A2-A2-A45A

Lab Sample ID: 180-132196-4
Date Collected: 01/11/22 10:21
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 86.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/16/22 10:55	01/16/22 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*01/16/22 10:55*	*01/16/22 17:19*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*01/16/22 10:55*	*01/16/22 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*01/16/22 10:55*	*01/16/22 17:19*	*1*
Toluene-d8 (Surr)	*136*	*S1+*	*67 - 134*	*01/16/22 10:55*	*01/16/22 17:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.3**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**86.7**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A45B

Lab Sample ID: 180-132196-5
Date Collected: 01/11/22 10:22
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1

Client Sample ID: SSHS-IRM5A2-A2-A45B
Lab Sample ID: 180-132196-5
Date Collected: 01/11/22 10:22 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 93.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	01/18/22 06:00	01/18/22 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/18/22 06:00*	*01/18/22 11:31*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*01/18/22 06:00*	*01/18/22 11:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/18/22 06:00*	*01/18/22 11:31*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*01/18/22 06:00*	*01/18/22 11:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**93.5**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A45C
Lab Sample ID: 180-132196-6
Date Collected: 01/11/22 10:20 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 89.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Acenaphthylene	ND		0.0073	0.0016	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Anthracene	ND		0.0073	0.0019	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Benzo[a]anthracene	ND		0.0073	0.0033	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Benzo[a]pyrene	ND		0.0073	0.0031	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Benzo[b]fluoranthene	**0.0029**	**J**	0.0073	0.0018	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Benzo[g,h,i]perylene	**0.0027**	**J**	0.0073	0.0016	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Benzo[k]fluoranthene	ND		0.0073	0.0022	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Chrysene	ND		0.0073	0.0040	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Dibenz(a,h)anthracene	ND		0.0073	0.0046	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Fluoranthene	**0.0024**	**J**	0.0073	0.0019	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Indeno[1,2,3-cd]pyrene	ND		0.0073	0.0036	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1

Client Sample ID: SSHS-IRM5A2-A2-A45C
Date Collected: 01/11/22 10:20
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-6
Matrix: Solid
Percent Solids: 89.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Naphthalene	ND		0.0073	0.0014	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Phenanthrene	**0.0025**	**J**	0.0073	0.0019	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Pyrene	**0.0031**	**J**	0.0073	0.0017	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/14/22 09:24	01/18/22 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*01/14/22 09:24*	*01/18/22 01:25*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*01/14/22 09:24*	*01/18/22 01:25*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*01/14/22 09:24*	*01/18/22 01:25*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*01/14/22 09:24*	*01/18/22 01:25*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*01/14/22 09:24*	*01/18/22 01:25*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*01/14/22 09:24*	*01/18/22 01:25*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1248	**0.054**		0.018	0.0043	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1254	**0.035**		0.018	0.0054	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/14/22 10:10	01/17/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*01/14/22 10:10*	*01/17/22 12:44*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*01/14/22 10:10*	*01/17/22 12:44*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*01/14/22 10:10*	*01/17/22 12:44*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*01/14/22 10:10*	*01/17/22 12:44*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		0.74	0.46	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Barium	**37**	**F1**	15	2.6	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Beryllium	**0.22**	**J F1**	0.29	0.080	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Cadmium	**0.060**	**J F1**	0.37	0.054	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Chromium	**6.5**	**F1**	0.37	0.34	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Copper	**15**	**F1**	1.8	1.1	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Lead	**6.2**		0.74	0.64	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Manganese	**300**	**F2**	1.1	0.20	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Nickel	**12**		2.9	0.37	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Selenium	**0.41**	**J F1**	0.74	0.34	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1

Client Sample ID: SSHS-IRM5A2-A2-A45C
Lab Sample ID: 180-132196-6
Date Collected: 01/11/22 10:20 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 89.9**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	F1	0.37	0.077	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1
Zinc	**44**	**F1**	1.5	0.88	mg/Kg	☼	01/13/22 15:41	01/14/22 14:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.027	0.017	mg/Kg	☼	01/13/22 15:03	01/14/22 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.1**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**89.9**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/18/22 09:23	01/19/22 15:59	1
Cyanide, Total	ND		0.41	0.31	mg/Kg	☼	01/18/22 12:30	01/18/22 18:04	1

Client Sample ID: SSHS-IRM5A2-A2-A46A
Lab Sample ID: 180-132196-7
Date Collected: 01/11/22 10:31 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 92.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/16/22 10:55	01/16/22 18:05	1

Client Sample ID: SSHS-IRM5A2-A2-A46A
Lab Sample ID: 180-132196-7

Date Collected: 01/11/22 10:31 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 92.3**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*01/16/22 10:55*	*01/16/22 18:05*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*01/16/22 10:55*	*01/16/22 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*01/16/22 10:55*	*01/16/22 18:05*	*1*
Toluene-d8 (Surr)	*117*		*67 - 134*	*01/16/22 10:55*	*01/16/22 18:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**92.3**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A46B
Lab Sample ID: 180-132196-8

Date Collected: 01/11/22 10:32 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 89.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/18/22 06:00	01/18/22 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*01/18/22 06:00*	*01/18/22 11:54*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*01/18/22 06:00*	*01/18/22 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*01/18/22 06:00*	*01/18/22 11:54*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A46B
Lab Sample ID: 180-132196-8
Date Collected: 01/11/22 10:32 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 89.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*67 - 134*	*01/18/22 06:00*	*01/18/22 11:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.4**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**89.6**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A46C
Lab Sample ID: 180-132196-9
Date Collected: 01/11/22 10:30 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 93.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Benzo[a]anthracene	ND		0.0070	0.0032	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Benzo[b]fluoranthene	**0.0031**	**J**	0.0070	0.0017	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Benzo[g,h,i]perylene	**0.0017**	**J**	0.0070	0.0015	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Fluoranthene	**0.0029**	**J**	0.0070	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Phenanthrene	**0.0027**	**J**	0.0070	0.0019	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Pyrene	**0.0039**	**J**	0.0070	0.0017	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*01/14/22 09:24*	*01/17/22 15:20*	*1*
2-Fluorophenol (Surr)	*77*		*32 - 105*	*01/14/22 09:24*	*01/17/22 15:20*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*01/14/22 09:24*	*01/17/22 15:20*	*1*
Phenol-d5 (Surr)	*82*		*34 - 105*	*01/14/22 09:24*	*01/17/22 15:20*	*1*
Terphenyl-d14 (Surr)	*92*		*20 - 117*	*01/14/22 09:24*	*01/17/22 15:20*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A46C
Date Collected: 01/11/22 10:30
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-9
Matrix: Solid
Percent Solids: 93.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*55*		*20 - 119*	*01/14/22 09:24*	*01/17/22 15:20*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1248	**0.014**	**J**	0.017	0.0042	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1254	**0.0073**	**J**	0.017	0.0052	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 10:10	01/17/22 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*01/14/22 10:10*	*01/17/22 13:03*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*01/14/22 10:10*	*01/17/22 13:03*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*01/14/22 10:10*	*01/17/22 13:03*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*01/14/22 10:10*	*01/17/22 13:03*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		0.76	0.48	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Barium	**50**		15	2.7	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Beryllium	**0.29**	**J**	0.31	0.083	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Cadmium	**0.056**	**J**	0.38	0.056	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Chromium	**8.1**		0.38	0.35	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Copper	**20**		1.9	1.2	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Lead	**8.7**		0.76	0.67	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Manganese	**370**		1.1	0.21	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Nickel	**15**		3.1	0.38	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Selenium	ND		0.76	0.35	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Silver	ND		0.38	0.079	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1
Zinc	**52**		1.5	0.91	mg/Kg	☼	01/13/22 15:41	01/14/22 14:49	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	01/13/22 15:03	01/14/22 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**93.5**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:04	1
Cyanide, Total	ND		0.53	0.41	mg/Kg	☼	01/20/22 06:25	01/20/22 08:21	1

Client Sample ID: SSHS-IRM5A2-A2-A47A

Lab Sample ID: 180-132196-10

Date Collected: 01/11/22 10:46
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,4-Dichlorobenzene	ND		0.0052	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	01/16/22 10:55	01/16/22 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*01/16/22 10:55*	*01/16/22 18:51*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*01/16/22 10:55*	*01/16/22 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*01/16/22 10:55*	*01/16/22 18:51*	*1*
Toluene-d8 (Surr)	*128*		*67 - 134*	*01/16/22 10:55*	*01/16/22 18:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.3**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**93.8**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A47B

Lab Sample ID: 180-132196-11

Date Collected: 01/11/22 10:47
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 91.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0038	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1

Client Sample ID: SSHS-IRM5A2-A2-A47B

Lab Sample ID: 180-132196-11
Date Collected: 01/11/22 10:47
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 91.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,4-Dioxane	ND		0.98	0.035	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1
Xylenes, Total	ND		0.0098	0.0071	mg/Kg	☼	01/16/22 10:55	01/16/22 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*01/16/22 10:55*	*01/16/22 19:14*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*01/16/22 10:55*	*01/16/22 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*01/16/22 10:55*	*01/16/22 19:14*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*01/16/22 10:55*	*01/16/22 19:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**91.6**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A47C

Lab Sample ID: 180-132196-12
Date Collected: 01/11/22 10:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 94.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Benzo[a]anthracene	**0.0040**	**J**	0.0070	0.0031	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1

Client Sample ID: SSHS-IRM5A2-A2-A47C **Lab Sample ID: 180-132196-12**
Date Collected: 01/11/22 10:45 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 94.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0038**	**J**	0.0070	0.0030	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Benzo[b]fluoranthene	**0.0060**	**J**	0.0070	0.0017	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Benzo[g,h,i]perylene	**0.0032**	**J**	0.0070	0.0015	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Chrysene	**0.0044**	**J**	0.0070	0.0039	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Fluoranthene	**0.0059**	**J**	0.0070	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
2-Methylphenol	ND		0.034	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Phenanthrene	**0.0057**	**J**	0.0070	0.0019	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Phenol	ND		0.034	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Pyrene	**0.0083**		0.0070	0.0016	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*01/14/22 09:24*	*01/17/22 15:42*	*1*
2-Fluorophenol (Surr)	*86*		*32 - 105*	*01/14/22 09:24*	*01/17/22 15:42*	*1*
Nitrobenzene-d5 (Surr)	*86*		*34 - 109*	*01/14/22 09:24*	*01/17/22 15:42*	*1*
Phenol-d5 (Surr)	*95*		*34 - 105*	*01/14/22 09:24*	*01/17/22 15:42*	*1*
Terphenyl-d14 (Surr)	*108*		*20 - 117*	*01/14/22 09:24*	*01/17/22 15:42*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*01/14/22 09:24*	*01/17/22 15:42*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1248	**0.027**		0.017	0.0041	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1254	**0.012**	**J**	0.017	0.0052	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 10:10	01/17/22 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*01/14/22 10:10*	*01/17/22 13:22*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*01/14/22 10:10*	*01/17/22 13:22*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-A47C

Lab Sample ID: 180-132196-12

Date Collected: 01/11/22 10:45
Date Received: 01/13/22 10:15

Matrix: Solid
Percent Solids: 94.1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*01/14/22 10:10*	*01/17/22 13:22*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*01/14/22 10:10*	*01/17/22 13:22*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.4**		0.60	0.38	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Barium	**31**		12	2.1	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Beryllium	**0.16**	**J**	0.24	0.065	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Cadmium	**0.070**	**J**	0.30	0.044	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Chromium	**5.6**		0.30	0.27	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Copper	**14**		1.5	0.91	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Lead	**6.3**		0.60	0.52	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Manganese	**280**		0.90	0.17	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Nickel	**10**		2.4	0.30	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Selenium	**0.50**	**J**	0.60	0.28	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Silver	ND		0.30	0.062	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1
Zinc	**34**		1.2	0.71	mg/Kg	☼	01/13/22 15:41	01/14/22 14:54	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.015	mg/Kg	☼	01/13/22 15:03	01/14/22 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.1	0.1	%			01/14/22 15:03	1
Percent Solids	**94.1**		0.1	0.1	%			01/14/22 15:03	1
Hexavalent chromium	ND		0.42	0.22	mg/Kg	☼	01/18/22 09:23	01/19/22 16:05	1
Cyanide, Total	ND		0.53	0.40	mg/Kg	☼	01/18/22 12:30	01/18/22 18:11	1

Client Sample ID: SSHS-IRM5A2-A2-A48A

Lab Sample ID: 180-132196-13

Date Collected: 01/11/22 11:30
Date Received: 01/13/22 10:15

Matrix: Solid
Percent Solids: 95.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1

Client Sample ID: SSHS-IRM5A2-A2-A48A

Lab Sample ID: 180-132196-13
Date Collected: 01/11/22 11:30
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	01/18/22 06:00	01/18/22 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/18/22 06:00*	*01/18/22 12:18*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*01/18/22 06:00*	*01/18/22 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*01/18/22 06:00*	*01/18/22 12:18*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/18/22 06:00*	*01/18/22 12:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.5**		0.1	0.1	%			01/17/22 14:49	1
Percent Solids	**95.5**		0.1	0.1	%			01/17/22 14:49	1

Client Sample ID: SSHS-IRM5A2-A2-A48B

Lab Sample ID: 180-132196-14
Date Collected: 01/11/22 11:35
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 91.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0037	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,2-Dichloroethane	ND		0.0047	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,4-Dioxane	ND		0.94	0.033	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Ethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Methylene Chloride	ND		0.0047	0.0042	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1

Client Sample ID: SSHS-IRM5A2-A2-A48B
Lab Sample ID: 180-132196-14
Date Collected: 01/11/22 11:35 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 91.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Tetrachloroethene	ND		0.0047	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Toluene	ND		0.0047	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
trans-1,2-Dichloroethene	ND		0.0047	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Vinyl chloride	ND		0.0047	0.0034	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1
Xylenes, Total	ND		0.0094	0.0068	mg/Kg	☼	01/16/22 10:55	01/16/22 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*01/16/22 10:55*	*01/16/22 20:01*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*	*01/16/22 10:55*	*01/16/22 20:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*01/16/22 10:55*	*01/16/22 20:01*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*01/16/22 10:55*	*01/16/22 20:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.1	0.1	%			01/18/22 16:12	1
Percent Solids	**91.6**		0.1	0.1	%			01/18/22 16:12	1

Client Sample ID: SSHS-IRM5A2-A2-A48C
Lab Sample ID: 180-132196-15
Date Collected: 01/11/22 11:40 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 92.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Acenaphthylene	ND		0.0071	0.0016	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Benzo[a]anthracene	**0.0036**	**J**	0.0071	0.0032	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Benzo[a]pyrene	**0.0032**	**J**	0.0071	0.0031	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Benzo[b]fluoranthene	**0.0048**	**J**	0.0071	0.0017	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Benzo[g,h,i]perylene	**0.0025**	**J**	0.0071	0.0015	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Fluoranthene	**0.0045**	**J**	0.0071	0.0019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1

Client Sample ID: SSHS-IRM5A2-A2-A48C
Date Collected: 01/11/22 11:40
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-15
Matrix: Solid
Percent Solids: 92.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Phenanthrene	**0.0040**	**J**	0.0071	0.0019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Pyrene	**0.0063**	**J**	0.0071	0.0017	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*01/14/22 09:24*	*01/17/22 16:04*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*01/14/22 09:24*	*01/17/22 16:04*	*1*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*01/14/22 09:24*	*01/17/22 16:04*	*1*
Phenol-d5 (Surr)	*84*		*34 - 105*	*01/14/22 09:24*	*01/17/22 16:04*	*1*
Terphenyl-d14 (Surr)	*97*		*20 - 117*	*01/14/22 09:24*	*01/17/22 16:04*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*20 - 119*	*01/14/22 09:24*	*01/17/22 16:04*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1232	ND		0.017	0.0043	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1242	ND		0.017	0.0026	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1248	**0.017**		0.017	0.0042	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1254	**0.018**		0.017	0.0052	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1262	ND		0.017	0.0062	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1
PCB-1268	ND		0.017	0.0024	mg/Kg	☼	01/14/22 10:10	01/17/22 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*01/14/22 10:10*	*01/17/22 13:41*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*01/14/22 10:10*	*01/17/22 13:41*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*01/14/22 10:10*	*01/17/22 13:41*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*01/14/22 10:10*	*01/17/22 13:41*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.1**		0.77	0.48	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Barium	**31**		15	2.8	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Beryllium	**0.18**	**J**	0.31	0.084	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Cadmium	**0.063**	**J**	0.39	0.057	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Chromium	**6.2**		0.39	0.35	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Copper	**14**		1.9	1.2	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Lead	**5.8**		0.77	0.67	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Manganese	**270**		1.2	0.21	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Nickel	**11**		3.1	0.39	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Selenium	**0.69**	**J**	0.77	0.36	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1

Client Sample ID: SSHS-IRM5A2-A2-A48C
Lab Sample ID: 180-132196-15
Date Collected: 01/11/22 11:40 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 92.4**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.39	0.080	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1
Zinc	**40**		1.5	0.92	mg/Kg	☼	01/13/22 15:41	01/14/22 14:59	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	01/13/22 15:03	01/14/22 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**92.4**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 15:51	1
Cyanide, Total	ND		0.45	0.34	mg/Kg	☼	01/18/22 12:30	01/18/22 18:12	1

Client Sample ID: SSHS-IRM5A2-A2-A49A
Lab Sample ID: 180-132196-16
Date Collected: 01/11/22 14:20 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 96.1**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0040	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	01/16/22 10:55	01/16/22 20:24	1

Client Sample ID: SSHS-IRM5A2-A2-A49A
Lab Sample ID: 180-132196-16

Date Collected: 01/11/22 14:20 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 96.1**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*01/16/22 10:55*	*01/16/22 20:24*	*1*
Dibromofluoromethane (Surr)	*123*		*69 - 126*	*01/16/22 10:55*	*01/16/22 20:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*01/16/22 10:55*	*01/16/22 20:24*	*1*
Toluene-d8 (Surr)	*124*		*67 - 134*	*01/16/22 10:55*	*01/16/22 20:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.9**		0.1	0.1	%			01/18/22 16:12	1
Percent Solids	**96.1**		0.1	0.1	%			01/18/22 16:12	1

Client Sample ID: SSHS-IRM5A2-A2-A49B
Lab Sample ID: 180-132196-17

Date Collected: 01/11/22 14:25 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 92.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/18/22 06:00	01/18/22 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/18/22 06:00*	*01/18/22 12:41*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*01/18/22 06:00*	*01/18/22 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*01/18/22 06:00*	*01/18/22 12:41*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A49B — Lab Sample ID: 180-132196-17

Date Collected: 01/11/22 14:25 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/18/22 06:00*	*01/18/22 12:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**92.7**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-A49C — Lab Sample ID: 180-132196-18

Date Collected: 01/11/22 14:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 92.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Acenaphthylene	ND		0.0072	0.0016	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Anthracene	ND		0.0072	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Benzo[a]anthracene	**0.0034**	**J**	0.0072	0.0032	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Benzo[a]pyrene	**0.0031**	**J**	0.0072	0.0031	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Benzo[b]fluoranthene	**0.0051**	**J**	0.0072	0.0018	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Benzo[g,h,i]perylene	**0.0027**	**J**	0.0072	0.0015	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Benzo[k]fluoranthene	ND		0.0072	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Chrysene	ND		0.0072	0.0040	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Fluoranthene	**0.0047**	**J**	0.0072	0.0019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Indeno[1,2,3-cd]pyrene	ND		0.0072	0.0035	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Naphthalene	ND		0.0072	0.0014	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Phenanthrene	**0.0040**	**J**	0.0072	0.0019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Pyrene	**0.0061**	**J**	0.0072	0.0017	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/14/22 09:24	01/17/22 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*71*		*35 - 105*	*01/14/22 09:24*	*01/17/22 16:26*	*1*
2-Fluorophenol (Surr)	*77*		*32 - 105*	*01/14/22 09:24*	*01/17/22 16:26*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/14/22 09:24*	*01/17/22 16:26*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*01/14/22 09:24*	*01/17/22 16:26*	*1*
Terphenyl-d14 (Surr)	*92*		*20 - 117*	*01/14/22 09:24*	*01/17/22 16:26*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A49C
Date Collected: 01/11/22 14:30
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-18
Matrix: Solid
Percent Solids: 92.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*01/14/22 09:24*	*01/17/22 16:26*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1248	**0.047**		0.018	0.0043	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1254	**0.033**		0.018	0.0054	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/14/22 10:10	01/17/22 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*01/14/22 10:10*	*01/17/22 14:00*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*01/14/22 10:10*	*01/17/22 14:00*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*01/14/22 10:10*	*01/17/22 14:00*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*01/14/22 10:10*	*01/17/22 14:00*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.8**		0.84	0.53	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Barium	**37**		17	3.0	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Beryllium	**0.20**	**J**	0.34	0.092	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Cadmium	ND		0.42	0.062	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Chromium	**6.0**		0.42	0.38	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Copper	**13**		2.1	1.3	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Lead	**4.8**		0.84	0.73	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Manganese	**270**		1.3	0.23	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Nickel	**12**		3.4	0.42	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Selenium	ND		0.84	0.39	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Silver	ND		0.42	0.087	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1
Zinc	**36**		1.7	1.0	mg/Kg	☼	01/13/22 15:41	01/14/22 15:12	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	01/13/22 15:03	01/14/22 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**92.9**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:06	1
Cyanide, Total	ND		0.43	0.33	mg/Kg	☼	01/18/22 12:30	01/18/22 18:14	1

Client Sample ID: SSHS-IRM5A2-A2-A50A

Lab Sample ID: 180-132196-19
Date Collected: 01/11/22 14:35
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 89.0

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/18/22 06:00	01/18/22 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/18/22 06:00*	*01/18/22 13:05*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*01/18/22 06:00*	*01/18/22 13:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/18/22 06:00*	*01/18/22 13:05*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*01/18/22 06:00*	*01/18/22 13:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**89.0**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-A50B

Lab Sample ID: 180-132196-20
Date Collected: 01/11/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 88.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1

Client Sample ID: SSHS-IRM5A2-A2-A50B

Lab Sample ID: 180-132196-20

Date Collected: 01/11/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 88.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	01/18/22 06:00	01/18/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/18/22 06:00*	*01/18/22 13:28*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*01/18/22 06:00*	*01/18/22 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*01/18/22 06:00*	*01/18/22 13:28*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/18/22 06:00*	*01/18/22 13:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.2**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**88.8**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-A50C

Lab Sample ID: 180-132196-21

Date Collected: 01/11/22 14:45
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 90.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.10**		0.029	0.0084	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Acenaphthylene	**0.091**		0.029	0.0064	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Anthracene	**0.26**		0.029	0.0076	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Benzo[a]anthracene	**0.65**		0.029	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4

Client Sample ID: SSHS-IRM5A2-A2-A50C
Date Collected: 01/11/22 14:45
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-21
Matrix: Solid
Percent Solids: 90.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.61**		0.029	0.013	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Benzo[b]fluoranthene	**0.81**		0.029	0.0072	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Benzo[g,h,i]perylene	**0.50**		0.029	0.0063	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Benzo[k]fluoranthene	**0.30**		0.029	0.0087	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Chrysene	**0.64**		0.029	0.016	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Dibenz(a,h)anthracene	**0.15**		0.029	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Dibenzofuran	**0.061**	**J**	0.14	0.054	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
2,4-Dinitrotoluene	ND		0.14	0.087	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
1,4-Dioxane	ND		0.29	0.045	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Fluoranthene	**0.88**		0.029	0.0077	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Fluorene	**0.095**		0.029	0.0057	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Hexachlorobenzene	ND		0.029	0.010	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Hexachlorobutadiene	ND		0.029	0.0085	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Hexachloroethane	ND		0.14	0.052	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Indeno[1,2,3-cd]pyrene	**0.46**		0.029	0.015	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
2-Methylphenol	ND		0.14	0.042	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Methylphenol, 3 & 4	ND		0.14	0.043	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Naphthalene	**0.077**		0.029	0.0057	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Nitrobenzene	ND		0.29	0.053	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Pentachlorophenol	ND		0.74	0.23	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Phenanthrene	**0.75**		0.029	0.0078	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Phenol	ND		0.14	0.044	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Pyrene	**1.2**		0.029	0.0069	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
Pyridine	ND		0.29	0.079	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
2,4,5-Trichlorophenol	ND		0.14	0.051	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4
2,4,6-Trichlorophenol	ND		0.14	0.048	mg/Kg	☼	01/14/22 09:24	01/17/22 16:48	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*01/14/22 09:24*	*01/17/22 16:48*	*4*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*01/14/22 09:24*	*01/17/22 16:48*	*4*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*	*01/14/22 09:24*	*01/17/22 16:48*	*4*
Phenol-d5 (Surr)	*75*		*34 - 105*	*01/14/22 09:24*	*01/17/22 16:48*	*4*
Terphenyl-d14 (Surr)	*99*		*20 - 117*	*01/14/22 09:24*	*01/17/22 16:48*	*4*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*01/14/22 09:24*	*01/17/22 16:48*	*4*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.18	0.058	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1221	ND		0.18	0.064	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1232	ND		0.18	0.044	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1242	ND		0.18	0.026	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1248	**7.9**		0.18	0.043	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1254	**2.8**		0.18	0.054	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1260	ND		0.18	0.051	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1262	ND		0.18	0.063	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10
PCB-1268	ND		0.18	0.024	mg/Kg	☼	01/14/22 10:10	01/18/22 21:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*01/14/22 10:10*	*01/18/22 21:46*	*10*
DCB Decachlorobiphenyl (Surr)	*142*	*S1+*	*63 - 138*	*01/14/22 10:10*	*01/18/22 21:46*	*10*

Client Sample ID: SSHS-IRM5A2-A2-A50C — Lab Sample ID: 180-132196-21

Date Collected: 01/11/22 14:45 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 90.5**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*01/14/22 10:10*	*01/18/22 21:46*	*10*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*01/14/22 10:10*	*01/18/22 21:46*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.9**		0.72	0.45	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Barium	**59**		14	2.6	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Beryllium	**0.34**		0.29	0.078	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Cadmium	**0.13**	**J**	0.36	0.053	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Chromium	**71**		0.36	0.33	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Copper	**71**		1.8	1.1	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Lead	**26**		0.72	0.62	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Manganese	**340**		1.1	0.20	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Nickel	**28**		2.9	0.36	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Selenium	**2.7**		0.72	0.33	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Silver	ND		0.36	0.075	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1
Zinc	**75**		1.4	0.85	mg/Kg	☼	01/13/22 15:41	01/14/22 15:17	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.080**		0.026	0.017	mg/Kg	☼	01/13/22 15:03	01/14/22 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**90.5**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/18/22 09:23	01/19/22 16:08	1
Cyanide, Total	ND		0.50	0.38	mg/Kg	☼	01/18/22 12:30	01/18/22 18:16	1

Client Sample ID: SSHS-IRM5A2-A2-A51A — Lab Sample ID: 180-132196-22

Date Collected: 01/11/22 14:50 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 88.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
cis-1,2-Dichloroethene	ND		0.0058	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,2-Dichlorobenzene	ND		0.0058	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1

Client Sample ID: SSHS-IRM5A2-A2-A51A
Lab Sample ID: 180-132196-22
Date Collected: 01/11/22 14:50 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 88.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	01/19/22 06:00	01/19/22 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/19/22 06:00*	*01/19/22 08:56*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/19/22 06:00*	*01/19/22 08:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/19/22 06:00*	*01/19/22 08:56*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*01/19/22 06:00*	*01/19/22 08:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**88.3**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-A51B
Lab Sample ID: 180-132196-23
Date Collected: 01/11/22 14:55 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 81.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Carbon tetrachloride	ND		0.0058	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
cis-1,2-Dichloroethene	ND		0.0058	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,2-Dichlorobenzene	ND		0.0058	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,1-Dichloroethane	ND		0.0058	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1

Client Sample ID: SSHS-IRM5A2-A2-A51B
Lab Sample ID: 180-132196-23
Date Collected: 01/11/22 14:55 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 81.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
sec-Butylbenzene	ND		0.0058	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Trichloroethene	**0.0037**	**J**	0.0058	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1
Xylenes, Total	ND		0.012	0.0083	mg/Kg	☼	01/18/22 06:00	01/18/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*01/18/22 06:00*	*01/18/22 14:14*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*01/18/22 06:00*	*01/18/22 14:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/18/22 06:00*	*01/18/22 14:14*	*1*
Toluene-d8 (Surr)	*122*		*67 - 134*	*01/18/22 06:00*	*01/18/22 14:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.2**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**81.8**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-A51C
Lab Sample ID: 180-132196-24
Date Collected: 01/11/22 15:00 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 86.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.4**		0.076	0.022	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Acenaphthylene	**0.32**		0.076	0.017	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Anthracene	**3.0**		0.076	0.020	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Benzo[a]anthracene	**6.6**		0.076	0.034	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Benzo[a]pyrene	**5.6**		0.076	0.033	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Benzo[b]fluoranthene	**7.0**		0.076	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Benzo[g,h,i]perylene	**4.1**		0.076	0.016	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Benzo[k]fluoranthene	**2.6**		0.076	0.023	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Chrysene	**6.0**		0.076	0.042	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Dibenz(a,h)anthracene	**1.4**		0.076	0.048	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Dibenzofuran	**0.76**		0.37	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
2,4-Dinitrotoluene	ND		0.37	0.23	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
1,4-Dioxane	ND		0.75	0.12	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Fluoranthene	**7.8**		0.076	0.020	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Fluorene	**1.3**		0.076	0.015	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Hexachlorobenzene	ND		0.076	0.027	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Hexachlorobutadiene	ND		0.076	0.022	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Hexachloroethane	ND		0.37	0.13	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Indeno[1,2,3-cd]pyrene	**4.3**		0.076	0.038	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10

Client Sample ID: SSHS-IRM5A2-A2-A51C
Date Collected: 01/11/22 15:00
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-24
Matrix: Solid
Percent Solids: 86.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.37	0.11	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Methylphenol, 3 & 4	ND		0.37	0.11	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Naphthalene	**0.57**		0.076	0.015	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Nitrobenzene	ND		0.75	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Pentachlorophenol	ND		1.9	0.61	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Phenanthrene	**7.9**		0.076	0.020	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Phenol	ND		0.37	0.11	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Pyrene	**11**		0.076	0.018	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
Pyridine	ND		0.76	0.20	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
2,4,5-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10
2,4,6-Trichlorophenol	ND		0.37	0.13	mg/Kg	☼	01/14/22 09:24	01/17/22 17:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*01/14/22 09:24*	*01/17/22 17:10*	*10*
2-Fluorophenol (Surr)	*62*		*32 - 105*	*01/14/22 09:24*	*01/17/22 17:10*	*10*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*01/14/22 09:24*	*01/17/22 17:10*	*10*
Phenol-d5 (Surr)	*65*		*34 - 105*	*01/14/22 09:24*	*01/17/22 17:10*	*10*
Terphenyl-d14 (Surr)	*94*		*20 - 117*	*01/14/22 09:24*	*01/17/22 17:10*	*10*
2,4,6-Tribromophenol (Surr)	*42*		*20 - 119*	*01/14/22 09:24*	*01/17/22 17:10*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.063	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1221	ND		0.19	0.068	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1232	ND		0.19	0.047	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1242	ND		0.19	0.028	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1248	**11**		0.19	0.046	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1254	**4.3**		0.19	0.058	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1260	ND		0.19	0.055	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1262	ND		0.19	0.068	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10
PCB-1268	ND		0.19	0.026	mg/Kg	☼	01/14/22 10:10	01/18/22 22:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*01/14/22 10:10*	*01/18/22 22:05*	*10*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*01/14/22 10:10*	*01/18/22 22:05*	*10*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*01/14/22 10:10*	*01/18/22 22:05*	*10*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*01/14/22 10:10*	*01/18/22 22:05*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.8**		0.90	0.56	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Barium	**74**		18	3.2	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Beryllium	**0.45**		0.36	0.098	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Cadmium	**0.18**	**J**	0.45	0.066	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Chromium	**12**		0.45	0.41	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Copper	**81**		2.2	1.4	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Lead	**48**		0.90	0.78	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Manganese	**350**		1.3	0.25	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Nickel	**29**		3.6	0.45	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Selenium	**0.81**	**J**	0.90	0.41	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1

Client Sample ID: SSHS-IRM5A2-A2-A51C
Lab Sample ID: 180-132196-24
Date Collected: 01/11/22 15:00 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 86.4**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.45	0.093	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1
Zinc	**94**		1.8	1.1	mg/Kg	☼	01/13/22 15:41	01/14/22 15:22	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.036	0.023	mg/Kg	☼	01/13/22 15:03	01/14/22 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.6**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**86.4**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	01/18/22 09:23	01/19/22 16:09	1
Cyanide, Total	**0.35**	**J**	0.40	0.30	mg/Kg	☼	01/18/22 12:30	01/18/22 18:18	1

Client Sample ID: SSHS-IRM5A2-A2-A52A
Lab Sample ID: 180-132196-25
Date Collected: 01/11/22 15:20 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 87.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Trichloroethene	**0.0041**	**J**	0.0056	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	01/18/22 06:00	01/18/22 14:38	1

Client Sample ID: SSHS-IRM5A2-A2-A52A
Lab Sample ID: 180-132196-25
Date Collected: 01/11/22 15:20 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 87.3**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/18/22 06:00*	*01/18/22 14:38*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*01/18/22 06:00*	*01/18/22 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/18/22 06:00*	*01/18/22 14:38*	*1*
Toluene-d8 (Surr)	*122*		*67 - 134*	*01/18/22 06:00*	*01/18/22 14:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.7**		0.1	0.1	%			01/18/22 16:12	1
Percent Solids	**87.3**		0.1	0.1	%			01/18/22 16:12	1

Client Sample ID: SSHS-IRM5A2-A2-A52B
Lab Sample ID: 180-132196-26
Date Collected: 01/11/22 15:25 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 74.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0050	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Benzene	ND		0.0064	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
2-Butanone (MEK)	ND		0.0064	0.0033	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Carbon tetrachloride	ND		0.0064	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Chlorobenzene	ND		0.0064	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Chloroform	ND		0.0064	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
cis-1,2-Dichloroethene	ND		0.0064	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,2-Dichlorobenzene	ND		0.0064	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,3-Dichlorobenzene	ND		0.0064	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,4-Dichlorobenzene	ND		0.0064	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,1-Dichloroethane	ND		0.0064	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,2-Dichloroethane	ND		0.0064	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,1-Dichloroethene	ND		0.0064	0.0029	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,4-Dioxane	ND		1.3	0.046	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Ethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Methylene Chloride	ND		0.0064	0.0058	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Methyl tert-butyl ether	ND		0.0064	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
n-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
N-Propylbenzene	ND		0.0064	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
sec-Butylbenzene	ND		0.0064	0.0032	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
tert-Butylbenzene	ND		0.0064	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Tetrachloroethene	ND		0.0064	0.0026	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Toluene	ND		0.0064	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
trans-1,2-Dichloroethene	ND		0.0064	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,1,1-Trichloroethane	ND		0.0064	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Trichloroethene	**0.0038**	**J**	0.0064	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Vinyl chloride	ND		0.0064	0.0046	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1
Xylenes, Total	ND		0.013	0.0093	mg/Kg	☼	01/18/22 06:00	01/18/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*01/18/22 06:00*	*01/18/22 15:01*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*01/18/22 06:00*	*01/18/22 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*01/18/22 06:00*	*01/18/22 15:01*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A52B — Lab Sample ID: 180-132196-26

Date Collected: 01/11/22 15:25 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 74.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*124*		*67 - 134*	*01/18/22 06:00*	*01/18/22 15:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**25.2**		0.1	0.1	%			01/18/22 16:12	1
Percent Solids	**74.8**		0.1	0.1	%			01/18/22 16:12	1

Client Sample ID: SSHS-IRM5A2-A2-A52C — Lab Sample ID: 180-132196-27

Date Collected: 01/11/22 15:30 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 82.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.5**		0.080	0.023	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Acenaphthylene	**0.31**		0.080	0.018	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Anthracene	**3.1**		0.080	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Benzo[a]anthracene	**5.8**		0.080	0.036	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Benzo[a]pyrene	**4.7**		0.080	0.035	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Benzo[b]fluoranthene	**5.6**		0.080	0.020	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Benzo[g,h,i]perylene	**3.5**		0.080	0.017	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Benzo[k]fluoranthene	**2.4**		0.080	0.024	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Chrysene	**5.0**		0.080	0.044	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Dibenz(a,h)anthracene	**1.2**		0.080	0.051	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Dibenzofuran	**0.96**		0.40	0.15	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
2,4-Dinitrotoluene	ND		0.40	0.24	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
1,4-Dioxane	ND		0.80	0.12	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Fluoranthene	**7.1**		0.080	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Fluorene	**1.4**		0.080	0.016	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Hexachlorobenzene	ND		0.080	0.029	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Hexachlorobutadiene	ND		0.080	0.023	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Hexachloroethane	ND		0.40	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Indeno[1,2,3-cd]pyrene	**3.6**		0.080	0.040	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
2-Methylphenol	ND		0.40	0.11	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Methylphenol, 3 & 4	ND		0.40	0.12	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Naphthalene	**0.95**		0.080	0.016	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Nitrobenzene	ND		0.80	0.15	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Pentachlorophenol	ND		2.0	0.64	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Phenanthrene	**8.0**		0.080	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Phenol	ND		0.40	0.12	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Pyrene	**9.9**		0.080	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
Pyridine	ND		0.80	0.22	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
2,4,5-Trichlorophenol	ND		0.40	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10
2,4,6-Trichlorophenol	ND		0.40	0.13	mg/Kg	☼	01/14/22 09:24	01/17/22 17:32	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*88*		*35 - 105*	*01/14/22 09:24*	*01/17/22 17:32*	*10*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*01/14/22 09:24*	*01/17/22 17:32*	*10*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*01/14/22 09:24*	*01/17/22 17:32*	*10*
Phenol-d5 (Surr)	*75*		*34 - 105*	*01/14/22 09:24*	*01/17/22 17:32*	*10*
Terphenyl-d14 (Surr)	*115*		*20 - 117*	*01/14/22 09:24*	*01/17/22 17:32*	*10*

Client Sample ID: SSHS-IRM5A2-A2-A52C
Lab Sample ID: 180-132196-27
Date Collected: 01/11/22 15:30 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 82.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*20 - 119*	*01/14/22 09:24*	*01/17/22 17:32*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.065	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1221	ND		0.20	0.071	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1232	ND		0.20	0.049	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1242	ND		0.20	0.029	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1248	**10**		0.20	0.048	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1254	**4.4**		0.20	0.060	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1260	ND		0.20	0.057	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1262	ND		0.20	0.071	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10
PCB-1268	ND		0.20	0.027	mg/Kg	☼	01/14/22 10:10	01/18/22 22:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*01/14/22 10:10*	*01/18/22 22:24*	*10*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*01/14/22 10:10*	*01/18/22 22:24*	*10*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*01/14/22 10:10*	*01/18/22 22:24*	*10*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*01/14/22 10:10*	*01/18/22 22:24*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.0**		0.66	0.41	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Barium	**79**		13	2.3	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Beryllium	**0.50**		0.26	0.072	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Cadmium	**0.16**	**J**	0.33	0.048	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Chromium	**11**		0.33	0.30	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Copper	**97**		1.6	0.99	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Lead	**42**		0.66	0.57	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Manganese	**350**		0.99	0.18	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Nickel	**26**		2.6	0.33	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Selenium	**0.74**		0.66	0.30	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Silver	ND		0.33	0.068	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1
Zinc	**110**		1.3	0.78	mg/Kg	☼	01/13/22 15:41	01/14/22 15:26	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.030	0.019	mg/Kg	☼	01/13/22 15:03	01/14/22 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.3**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**82.7**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.49	0.26	mg/Kg	☼	01/18/22 09:23	01/19/22 16:10	1
Cyanide, Total	ND		0.55	0.42	mg/Kg	☼	01/18/22 12:30	01/18/22 18:19	1

Client Sample ID: SSHS-IRM5A2-A2-DUP11A

Lab Sample ID: 180-132196-28

Date Collected: 01/11/22 00:00
Date Received: 01/13/22 10:15

Matrix: Solid
Percent Solids: 88.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/18/22 06:00	01/18/22 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*01/18/22 06:00*	*01/18/22 15:24*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*01/18/22 06:00*	*01/18/22 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*01/18/22 06:00*	*01/18/22 15:24*	*1*
Toluene-d8 (Surr)	*119*		*67 - 134*	*01/18/22 06:00*	*01/18/22 15:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**88.6**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-DUP11B

Lab Sample ID: 180-132196-29

Date Collected: 01/11/22 00:00
Date Received: 01/13/22 10:15

Matrix: Solid
Percent Solids: 77.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0051	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Benzene	ND		0.0066	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1

Client Sample ID: SSHS-IRM5A2-A2-DUP11B

Lab Sample ID: 180-132196-29
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 77.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0066	0.0033	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Carbon tetrachloride	ND		0.0066	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Chlorobenzene	ND		0.0066	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Chloroform	ND		0.0066	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
cis-1,2-Dichloroethene	ND		0.0066	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,2-Dichlorobenzene	ND		0.0066	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,3-Dichlorobenzene	ND		0.0066	0.0040	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,4-Dichlorobenzene	ND		0.0066	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,1-Dichloroethane	ND		0.0066	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,2-Dichloroethane	ND		0.0066	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,1-Dichloroethene	ND		0.0066	0.0030	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,4-Dioxane	ND		1.3	0.046	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Ethylbenzene	ND		0.0066	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Methylene Chloride	ND		0.0066	0.0059	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Methyl tert-butyl ether	ND		0.0066	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
n-Butylbenzene	ND		0.0066	0.0033	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
N-Propylbenzene	ND		0.0066	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
sec-Butylbenzene	ND		0.0066	0.0032	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
tert-Butylbenzene	ND		0.0066	0.0028	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Tetrachloroethene	ND		0.0066	0.0026	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Toluene	ND		0.0066	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
trans-1,2-Dichloroethene	ND		0.0066	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,1,1-Trichloroethane	ND		0.0066	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Trichloroethene	ND		0.0066	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,2,4-Trimethylbenzene	ND		0.0066	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
1,3,5-Trimethylbenzene	ND		0.0066	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Vinyl chloride	ND		0.0066	0.0047	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1
Xylenes, Total	ND		0.013	0.0095	mg/Kg	☼	01/19/22 06:00	01/19/22 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*01/19/22 06:00*	*01/19/22 10:06*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*01/19/22 06:00*	*01/19/22 10:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*01/19/22 06:00*	*01/19/22 10:06*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*01/19/22 06:00*	*01/19/22 10:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22.7**		0.1	0.1	%			01/18/22 16:34	1
Percent Solids	**77.3**		0.1	0.1	%			01/18/22 16:34	1

Client Sample ID: SSHS-IRM5A2-A2-DUP11C

Lab Sample ID: 180-132196-30
Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 84.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.7**		0.078	0.022	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Acenaphthylene	**0.21**		0.078	0.017	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Anthracene	**3.4**		0.078	0.020	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Benzo[a]anthracene	**6.4**		0.078	0.035	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10

Client Sample ID: SSHS-IRM5A2-A2-DUP11C
Date Collected: 01/11/22 00:00
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132196-30
Matrix: Solid
Percent Solids: 84.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**5.3**		0.078	0.034	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Benzo[b]fluoranthene	**6.1**		0.078	0.019	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Benzo[g,h,i]perylene	**3.8**		0.078	0.017	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Benzo[k]fluoranthene	**2.5**		0.078	0.023	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Chrysene	**5.5**		0.078	0.043	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Dibenz(a,h)anthracene	**1.3**		0.078	0.050	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Dibenzofuran	**1.0**		0.39	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
2,4-Dinitrotoluene	ND		0.39	0.23	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
1,4-Dioxane	ND		0.78	0.12	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Fluoranthene	**7.6**		0.078	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Fluorene	**1.6**		0.078	0.015	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Hexachlorobenzene	ND		0.078	0.028	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Hexachlorobutadiene	ND		0.078	0.023	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Hexachloroethane	ND		0.39	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Indeno[1,2,3-cd]pyrene	**4.0**		0.078	0.039	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
2-Methylphenol	ND		0.39	0.11	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Methylphenol, 3 & 4	ND		0.39	0.11	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Naphthalene	**0.91**		0.078	0.015	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Nitrobenzene	ND		0.78	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Pentachlorophenol	ND		2.0	0.63	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Phenanthrene	**8.6**		0.078	0.021	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Phenol	ND		0.39	0.12	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Pyrene	**10**		0.078	0.018	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
Pyridine	ND		0.78	0.21	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
2,4,5-Trichlorophenol	ND		0.39	0.14	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10
2,4,6-Trichlorophenol	ND		0.39	0.13	mg/Kg	☼	01/14/22 09:24	01/17/22 17:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*50*		*35 - 105*	*01/14/22 09:24*	*01/17/22 17:54*	*10*
2-Fluorophenol (Surr)	*39*		*32 - 105*	*01/14/22 09:24*	*01/17/22 17:54*	*10*
Nitrobenzene-d5 (Surr)	*38*		*34 - 109*	*01/14/22 09:24*	*01/17/22 17:54*	*10*
Phenol-d5 (Surr)	*42*		*34 - 105*	*01/14/22 09:24*	*01/17/22 17:54*	*10*
Terphenyl-d14 (Surr)	*60*		*20 - 117*	*01/14/22 09:24*	*01/17/22 17:54*	*10*
2,4,6-Tribromophenol (Surr)	*29*		*20 - 119*	*01/14/22 09:24*	*01/17/22 17:54*	*10*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.062	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1221	ND		0.19	0.068	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1232	ND		0.19	0.047	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1242	ND		0.19	0.028	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1248	**11**		0.19	0.046	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1254	**4.3**		0.19	0.058	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1260	ND		0.19	0.055	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1262	ND		0.19	0.067	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10
PCB-1268	ND		0.19	0.026	mg/Kg	☼	01/14/22 10:10	01/18/22 22:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*01/14/22 10:10*	*01/18/22 22:42*	*10*
DCB Decachlorobiphenyl (Surr)	*132*		*63 - 138*	*01/14/22 10:10*	*01/18/22 22:42*	*10*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

Client Sample ID: SSHS-IRM5A2-A2-DUP11C

Lab Sample ID: 180-132196-30

Date Collected: 01/11/22 00:00
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 84.8

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*01/14/22 10:10*	*01/18/22 22:42*	*10*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*01/14/22 10:10*	*01/18/22 22:42*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.5**		0.72	0.45	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Barium	**83**		14	2.6	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Beryllium	**0.58**		0.29	0.078	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Cadmium	**0.19**	**J**	0.36	0.053	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Chromium	**12**		0.36	0.33	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Copper	**64**		1.8	1.1	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Lead	**45**		0.72	0.63	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Manganese	**490**		1.1	0.20	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Nickel	**28**		2.9	0.36	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Selenium	**0.68**	**J**	0.72	0.33	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Silver	**0.70**		0.36	0.075	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1
Zinc	**76**		1.4	0.86	mg/Kg	☼	01/13/22 15:41	01/14/22 15:31	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.032	0.020	mg/Kg	☼	01/13/22 15:03	01/14/22 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.2**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**84.8**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	01/18/22 09:23	01/19/22 16:12	1
Cyanide, Total	**0.47**	**J**	0.56	0.43	mg/Kg	☼	01/18/22 12:30	01/18/22 18:21	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-385287/5
Matrix: Solid
Analysis Batch: 385287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/16/22 11:26	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/16/22 11:26	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/16/22 11:26	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/16/22 11:26	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/16/22 11:26	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/16/22 11:26	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/16/22 11:26	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/16/22 11:26	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/16/22 11:26	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/16/22 11:26	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/16/22 11:26	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/16/22 11:26	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/16/22 11:26	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/16/22 11:26	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/16/22 11:26	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/16/22 11:26	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/16/22 11:26	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/16/22 11:26	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/16/22 11:26	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/16/22 11:26	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/16/22 11:26	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/16/22 11:26	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/16/22 11:26	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/16/22 11:26	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/16/22 11:26	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/16/22 11:26	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/16/22 11:26	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/16/22 11:26	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/16/22 11:26	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/16/22 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*		*01/16/22 11:26*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*		*01/16/22 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*		*01/16/22 11:26*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*01/16/22 11:26*	*1*

Lab Sample ID: LCS 180-385287/3
Matrix: Solid
Analysis Batch: 385287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0395		mg/Kg		99	23 - 170
Benzene	0.0400	0.0390		mg/Kg		97	77 - 120
2-Butanone (MEK)	0.0400	0.0438		mg/Kg		110	39 - 157
Carbon tetrachloride	0.0400	0.0387		mg/Kg		97	73 - 130
Chlorobenzene	0.0400	0.0383		mg/Kg		96	79 - 122
Chloroform	0.0400	0.0348		mg/Kg		87	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385287/3
Matrix: Solid
Analysis Batch: 385287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0403		mg/Kg		101	77 - 118
1,2-Dichlorobenzene	0.0400	0.0389		mg/Kg		97	76 - 120
1,3-Dichlorobenzene	0.0400	0.0418		mg/Kg		104	77 - 121
1,4-Dichlorobenzene	0.0400	0.0398		mg/Kg		100	79 - 120
1,1-Dichloroethane	0.0400	0.0397		mg/Kg		99	73 - 124
1,2-Dichloroethane	0.0400	0.0370		mg/Kg		92	64 - 140
1,1-Dichloroethene	0.0400	0.0427		mg/Kg		107	55 - 136
1,4-Dioxane	0.800	0.711	J	mg/Kg		89	18 - 166
Ethylbenzene	0.0400	0.0381		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0359		mg/Kg		90	67 - 131
Methyl tert-butyl ether	0.0400	0.0333		mg/Kg		83	58 - 132
n-Butylbenzene	0.0400	0.0390		mg/Kg		97	64 - 136
N-Propylbenzene	0.0400	0.0412		mg/Kg		103	71 - 127
sec-Butylbenzene	0.0400	0.0396		mg/Kg		99	65 - 130
tert-Butylbenzene	0.0400	0.0407		mg/Kg		102	69 - 133
Tetrachloroethene	0.0400	0.0451		mg/Kg		113	71 - 121
Toluene	0.0400	0.0383		mg/Kg		96	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0404		mg/Kg		101	75 - 122
1,1,1-Trichloroethane	0.0400	0.0381		mg/Kg		95	72 - 134
Trichloroethene	0.0400	0.0432		mg/Kg		108	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0389		mg/Kg		97	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0394		mg/Kg		99	69 - 131
Vinyl chloride	0.0400	0.0458		mg/Kg		115	64 - 134
Xylenes, Total	0.0800	0.0726		mg/Kg		91	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: MB 180-385370/6
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/18/22 08:49	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/18/22 08:49	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/18/22 08:49	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/18/22 08:49	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385370/6
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/18/22 08:49	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/18/22 08:49	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/18/22 08:49	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/18/22 08:49	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/18/22 08:49	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/18/22 08:49	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/18/22 08:49	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/18/22 08:49	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/18/22 08:49	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/18/22 08:49	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/18/22 08:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*		*01/18/22 08:49*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*		*01/18/22 08:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*		*01/18/22 08:49*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*		*01/18/22 08:49*	*1*

Lab Sample ID: LCS 180-385370/3
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0364		mg/Kg		91	23 - 170
Benzene	0.0400	0.0388		mg/Kg		97	77 - 120
2-Butanone (MEK)	0.0400	0.0415		mg/Kg		104	39 - 157
Carbon tetrachloride	0.0400	0.0369		mg/Kg		92	73 - 130
Chlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0353		mg/Kg		88	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0408		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0399		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0422		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0394		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0387		mg/Kg		97	64 - 140
1,1-Dichloroethene	0.0400	0.0412		mg/Kg		103	55 - 136
1,4-Dioxane	0.800	0.822	J	mg/Kg		103	18 - 166
Ethylbenzene	0.0400	0.0382		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0383		mg/Kg		96	67 - 131
Methyl tert-butyl ether	0.0400	0.0340		mg/Kg		85	58 - 132
n-Butylbenzene	0.0400	0.0377		mg/Kg		94	64 - 136

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385370/3
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0402		mg/Kg		101	71 - 127
sec-Butylbenzene	0.0400	0.0377		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0395		mg/Kg		99	69 - 133
Tetrachloroethene	0.0400	0.0446		mg/Kg		111	71 - 121
Toluene	0.0400	0.0388		mg/Kg		97	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0401		mg/Kg		100	75 - 122
1,1,1-Trichloroethane	0.0400	0.0375		mg/Kg		94	72 - 134
Trichloroethene	0.0400	0.0434		mg/Kg		109	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0366		mg/Kg		91	64 - 134
Xylenes, Total	0.0800	0.0742		mg/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*
Toluene-d8 (Surr)	*104*		*67 - 134*

Lab Sample ID: LCSD 180-385370/4
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0372		mg/Kg		93	23 - 170	2	35
Benzene	0.0400	0.0399		mg/Kg		100	77 - 120	3	20
2-Butanone (MEK)	0.0400	0.0430		mg/Kg		107	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0403		mg/Kg		101	73 - 130	9	21
Chlorobenzene	0.0400	0.0399		mg/Kg		100	79 - 122	0	20
Chloroform	0.0400	0.0367		mg/Kg		92	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0426		mg/Kg		106	77 - 118	4	20
1,2-Dichlorobenzene	0.0400	0.0412		mg/Kg		103	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0432		mg/Kg		108	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0410		mg/Kg		103	73 - 124	4	20
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140	0	20
1,1-Dichloroethene	0.0400	0.0343		mg/Kg		86	55 - 136	18	21
1,4-Dioxane	0.800	0.729	J	mg/Kg		91	18 - 166	12	40
Ethylbenzene	0.0400	0.0385		mg/Kg		96	79 - 119	1	20
Methylene Chloride	0.0400	0.0393		mg/Kg		98	67 - 131	3	32
Methyl tert-butyl ether	0.0400	0.0367		mg/Kg		92	58 - 132	8	24
n-Butylbenzene	0.0400	0.0381		mg/Kg		95	64 - 136	1	21
N-Propylbenzene	0.0400	0.0425		mg/Kg		106	71 - 127	5	20
sec-Butylbenzene	0.0400	0.0398		mg/Kg		99	65 - 130	5	20
tert-Butylbenzene	0.0400	0.0415		mg/Kg		104	69 - 133	5	23
Tetrachloroethene	0.0400	0.0466		mg/Kg		116	71 - 121	4	21
Toluene	0.0400	0.0398		mg/Kg		100	76 - 120	3	20
trans-1,2-Dichloroethene	0.0400	0.0423		mg/Kg		106	75 - 122	5	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-385370/4
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0400	0.0398		mg/Kg		99	72 - 134	6	20
Trichloroethene			0.0400	0.0448		mg/Kg		112	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0400		mg/Kg		100	74 - 127	4	20
1,3,5-Trimethylbenzene			0.0400	0.0397		mg/Kg		99	69 - 131	3	20
Vinyl chloride			0.0400	0.0390		mg/Kg		97	64 - 134	6	23
Xylenes, Total			0.0800	0.0754		mg/Kg		94	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Lab Sample ID: MB 180-385504/5
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/19/22 08:09	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/19/22 08:09	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/19/22 08:09	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/19/22 08:09	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/19/22 08:09	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/19/22 08:09	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/19/22 08:09	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/19/22 08:09	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/19/22 08:09	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/19/22 08:09	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/19/22 08:09	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/19/22 08:09	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/19/22 08:09	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/19/22 08:09	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/19/22 08:09	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/19/22 08:09	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/19/22 08:09	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/19/22 08:09	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/19/22 08:09	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/19/22 08:09	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/19/22 08:09	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/19/22 08:09	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/19/22 08:09	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/19/22 08:09	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/19/22 08:09	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/19/22 08:09	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/19/22 08:09	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/19/22 08:09	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/19/22 08:09	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/19/22 08:09	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385504/5
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*01/19/22 08:09*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*01/19/22 08:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*		*01/19/22 08:09*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*		*01/19/22 08:09*	*1*

Lab Sample ID: LCS 180-385504/3
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0328		mg/Kg		82	23 - 170
Benzene	0.0400	0.0405		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0400		mg/Kg		100	39 - 157
Carbon tetrachloride	0.0400	0.0390		mg/Kg		98	73 - 130
Chlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 122
Chloroform	0.0400	0.0364		mg/Kg		91	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0421		mg/Kg		105	77 - 118
1,2-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	76 - 120
1,3-Dichlorobenzene	0.0400	0.0447		mg/Kg		112	77 - 121
1,4-Dichlorobenzene	0.0400	0.0426		mg/Kg		107	79 - 120
1,1-Dichloroethane	0.0400	0.0405		mg/Kg		101	73 - 124
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140
1,1-Dichloroethene	0.0400	0.0375		mg/Kg		94	55 - 136
1,4-Dioxane	0.800	0.828	J	mg/Kg		103	18 - 166
Ethylbenzene	0.0400	0.0399		mg/Kg		100	79 - 119
Methylene Chloride	0.0400	0.0397		mg/Kg		99	67 - 131
Methyl tert-butyl ether	0.0400	0.0343		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0409		mg/Kg		102	64 - 136
N-Propylbenzene	0.0400	0.0418		mg/Kg		105	71 - 127
sec-Butylbenzene	0.0400	0.0409		mg/Kg		102	65 - 130
tert-Butylbenzene	0.0400	0.0414		mg/Kg		103	69 - 133
Tetrachloroethene	0.0400	0.0482		mg/Kg		120	71 - 121
Toluene	0.0400	0.0407		mg/Kg		102	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0415		mg/Kg		104	75 - 122
1,1,1-Trichloroethane	0.0400	0.0394		mg/Kg		99	72 - 134
Trichloroethene	0.0400	0.0452		mg/Kg		113	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0415		mg/Kg		104	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0408		mg/Kg		102	69 - 131
Vinyl chloride	0.0400	0.0380		mg/Kg		95	64 - 134
Xylenes, Total	0.0800	0.0780		mg/Kg		98	78 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-385159/1-A
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Anthracene	ND		0.0067	0.0017	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Chrysene	ND		0.0067	0.0037	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Fluorene	ND		0.0067	0.0013	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Phenol	ND		0.033	0.010	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Pyrene	ND		0.0067	0.0016	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
Pyridine	ND		0.067	0.018	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		01/14/22 09:24	01/17/22 14:58	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		01/14/22 09:24	01/17/22 14:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*01/14/22 09:24*	*01/17/22 14:58*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*01/14/22 09:24*	*01/17/22 14:58*	*1*
Nitrobenzene-d5 (Surr)	*61*		*34 - 109*	*01/14/22 09:24*	*01/17/22 14:58*	*1*
Phenol-d5 (Surr)	*60*		*34 - 105*	*01/14/22 09:24*	*01/17/22 14:58*	*1*
Terphenyl-d14 (Surr)	*61*		*20 - 117*	*01/14/22 09:24*	*01/17/22 14:58*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*01/14/22 09:24*	*01/17/22 14:58*	*1*

Lab Sample ID: LCS 180-385159/2-A
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.456		mg/Kg		68	41 - 100
Acenaphthylene	0.667	0.468		mg/Kg		70	45 - 100
Anthracene	0.667	0.439		mg/Kg		66	47 - 100
Benzo[a]anthracene	0.667	0.456		mg/Kg		68	47 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-385159/2-A
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	0.667	0.451		mg/Kg		68	45 - 101
Benzo[b]fluoranthene	0.667	0.415		mg/Kg		62	44 - 100
Benzo[g,h,i]perylene	0.667	0.502		mg/Kg		75	45 - 103
Benzo[k]fluoranthene	0.667	0.414		mg/Kg		62	43 - 100
Chrysene	0.667	0.429		mg/Kg		64	44 - 100
Dibenz(a,h)anthracene	0.667	0.496		mg/Kg		74	46 - 107
Dibenzofuran	0.667	0.445		mg/Kg		67	47 - 100
2,4-Dinitrotoluene	0.667	0.413		mg/Kg		62	48 - 106
1,4-Dioxane	0.667	0.438		mg/Kg		66	10 - 133
Fluoranthene	0.667	0.401		mg/Kg		60	49 - 102
Fluorene	0.667	0.426		mg/Kg		64	46 - 100
Hexachlorobenzene	0.667	0.443		mg/Kg		66	45 - 101
Hexachlorobutadiene	0.667	0.478		mg/Kg		72	38 - 110
Hexachloroethane	0.667	0.462		mg/Kg		69	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.497		mg/Kg		74	48 - 104
2-Methylphenol	0.667	0.427		mg/Kg		64	43 - 101
Methylphenol, 3 & 4	0.667	0.405		mg/Kg		61	43 - 104
Naphthalene	0.667	0.456		mg/Kg		68	43 - 100
Nitrobenzene	0.667	0.447		mg/Kg		67	43 - 107
Pentachlorophenol	1.33	0.823		mg/Kg		62	34 - 112
Phenanthrene	0.667	0.441		mg/Kg		66	46 - 100
Phenol	0.667	0.422		mg/Kg		63	42 - 103
Pyrene	0.667	0.456		mg/Kg		68	44 - 102
Pyridine	1.33	0.877		mg/Kg		66	25 - 109
2,4,5-Trichlorophenol	0.667	0.458		mg/Kg		69	47 - 108
2,4,6-Trichlorophenol	0.667	0.481		mg/Kg		72	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*35 - 105*
2-Fluorophenol (Surr)	*73*		*32 - 105*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*
Phenol-d5 (Surr)	*67*		*34 - 105*
Terphenyl-d14 (Surr)	*70*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*

Lab Sample ID: 180-132196-3 MS
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 385159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.679	0.421		mg/Kg	☼	62	41 - 100
Acenaphthylene	ND		0.679	0.444		mg/Kg	☼	65	45 - 100
Anthracene	ND		0.679	0.452		mg/Kg	☼	67	47 - 100
Benzo[a]anthracene	ND		0.679	0.453		mg/Kg	☼	67	47 - 100
Benzo[a]pyrene	ND		0.679	0.456		mg/Kg	☼	67	45 - 101
Benzo[b]fluoranthene	0.0018	J	0.679	0.430		mg/Kg	☼	63	44 - 100
Benzo[g,h,i]perylene	0.0018	J	0.679	0.474		mg/Kg	☼	70	45 - 103
Benzo[k]fluoranthene	ND		0.679	0.419		mg/Kg	☼	62	43 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132196-3 MS
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 385159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	ND		0.679	0.434		mg/Kg	☼	64	44 - 100
Dibenz(a,h)anthracene	ND		0.679	0.470		mg/Kg	☼	69	46 - 107
Dibenzofuran	ND		0.679	0.439		mg/Kg	☼	65	47 - 100
2,4-Dinitrotoluene	ND		0.679	0.454		mg/Kg	☼	67	48 - 106
1,4-Dioxane	ND		0.679	0.276		mg/Kg	☼	41	10 - 133
Fluoranthene	0.0024	J	0.679	0.440		mg/Kg	☼	64	49 - 102
Fluorene	ND		0.679	0.433		mg/Kg	☼	64	46 - 100
Hexachlorobenzene	ND		0.679	0.444		mg/Kg	☼	65	45 - 101
Hexachlorobutadiene	ND		0.679	0.417		mg/Kg	☼	61	38 - 110
Hexachloroethane	ND		0.679	0.378		mg/Kg	☼	56	40 - 100
Indeno[1,2,3-cd]pyrene	ND		0.679	0.490		mg/Kg	☼	72	48 - 104
2-Methylphenol	ND		0.679	0.372		mg/Kg	☼	55	43 - 101
Methylphenol, 3 & 4	ND		0.679	0.375		mg/Kg	☼	55	43 - 104
Naphthalene	ND		0.679	0.407		mg/Kg	☼	60	43 - 100
Nitrobenzene	ND		0.679	0.411		mg/Kg	☼	60	43 - 107
Pentachlorophenol	ND		1.36	0.456		mg/Kg	☼	34	34 - 112
Phenanthrene	0.0023	J	0.679	0.446		mg/Kg	☼	65	46 - 100
Phenol	ND		0.679	0.383		mg/Kg	☼	56	42 - 103
Pyrene	0.0029	J	0.679	0.434		mg/Kg	☼	64	44 - 102
Pyridine	ND		1.36	0.361		mg/Kg	☼	27	25 - 109
2,4,5-Trichlorophenol	ND		0.679	0.406		mg/Kg	☼	60	47 - 108
2,4,6-Trichlorophenol	ND		0.679	0.413		mg/Kg	☼	61	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*63*		*32 - 105*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*
Phenol-d5 (Surr)	*61*		*34 - 105*
Terphenyl-d14 (Surr)	*69*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*

Lab Sample ID: 180-132196-3 MSD
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 385159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.681	0.438		mg/Kg	☼	64	41 - 100	4	22
Acenaphthylene	ND		0.681	0.450		mg/Kg	☼	66	45 - 100	1	23
Anthracene	ND		0.681	0.442		mg/Kg	☼	65	47 - 100	2	26
Benzo[a]anthracene	ND		0.681	0.459		mg/Kg	☼	67	47 - 100	1	24
Benzo[a]pyrene	ND		0.681	0.460		mg/Kg	☼	67	45 - 101	1	21
Benzo[b]fluoranthene	0.0018	J	0.681	0.451		mg/Kg	☼	66	44 - 100	5	26
Benzo[g,h,i]perylene	0.0018	J	0.681	0.465		mg/Kg	☼	68	45 - 103	2	22
Benzo[k]fluoranthene	ND		0.681	0.410		mg/Kg	☼	60	43 - 100	2	18
Chrysene	ND		0.681	0.449		mg/Kg	☼	66	44 - 100	3	26
Dibenz(a,h)anthracene	ND		0.681	0.472		mg/Kg	☼	69	46 - 107	0	24
Dibenzofuran	ND		0.681	0.443		mg/Kg	☼	65	47 - 100	1	19
2,4-Dinitrotoluene	ND		0.681	0.455		mg/Kg	☼	67	48 - 106	0	20

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132196-3 MSD
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 385159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND		0.681	0.284		mg/Kg	☼	42	10 - 133	3	40
Fluoranthene	0.0024	J	0.681	0.426		mg/Kg	☼	62	49 - 102	3	26
Fluorene	ND		0.681	0.444		mg/Kg	☼	65	46 - 100	2	22
Hexachlorobenzene	ND		0.681	0.454		mg/Kg	☼	67	45 - 101	2	27
Hexachlorobutadiene	ND		0.681	0.435		mg/Kg	☼	64	38 - 110	4	27
Hexachloroethane	ND		0.681	0.377		mg/Kg	☼	55	40 - 100	0	27
Indeno[1,2,3-cd]pyrene	ND		0.681	0.485		mg/Kg	☼	71	48 - 104	1	22
2-Methylphenol	ND		0.681	0.374		mg/Kg	☼	55	43 - 101	1	27
Methylphenol, 3 & 4	ND		0.681	0.378		mg/Kg	☼	55	43 - 104	1	24
Naphthalene	ND		0.681	0.423		mg/Kg	☼	62	43 - 100	4	28
Nitrobenzene	ND		0.681	0.438		mg/Kg	☼	64	43 - 107	6	28
Pentachlorophenol	ND		1.36	0.471		mg/Kg	☼	35	34 - 112	3	28
Phenanthrene	0.0023	J	0.681	0.440		mg/Kg	☼	64	46 - 100	1	27
Phenol	ND		0.681	0.377		mg/Kg	☼	55	42 - 103	2	30
Pyrene	0.0029	J	0.681	0.455		mg/Kg	☼	66	44 - 102	5	27
Pyridine	ND		1.36	0.365		mg/Kg	☼	27	25 - 109	1	31
2,4,5-Trichlorophenol	ND		0.681	0.409		mg/Kg	☼	60	47 - 108	1	19
2,4,6-Trichlorophenol	ND		0.681	0.425		mg/Kg	☼	62	47 - 108	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*35 - 105*
2-Fluorophenol (Surr)	*61*		*32 - 105*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*
Phenol-d5 (Surr)	*59*		*34 - 105*
Terphenyl-d14 (Surr)	*70*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-385165/1-C
Matrix: Solid
Analysis Batch: 385310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1262	ND		0.017	0.0059	mg/Kg		01/14/22 10:10	01/17/22 10:53	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/14/22 10:10	01/17/22 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*01/14/22 10:10*	*01/17/22 10:53*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*01/14/22 10:10*	*01/17/22 10:53*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*01/14/22 10:10*	*01/17/22 10:53*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-385165/1-C
Matrix: Solid
Analysis Batch: 385310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385165

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	95		55 - 135	01/14/22 10:10	01/17/22 10:53	1

Lab Sample ID: LCS 180-385165/2-C
Matrix: Solid
Analysis Batch: 385310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385165

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.01		mg/Kg		75	43 - 136		
PCB-1260			1.33	1.19		mg/Kg		89	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	102		63 - 138
DCB Decachlorobiphenyl (Surr)	100		63 - 138
Tetrachloro-m-xylene (Surr)	94		55 - 135
Tetrachloro-m-xylene (Surr)	89		55 - 135

Lab Sample ID: 180-132196-3 MS
Matrix: Solid
Analysis Batch: 385310

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 385165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.40	0.905		mg/Kg	☼	65	43 - 136		
PCB-1260	ND		1.40	1.01		mg/Kg	☼	72	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	69		63 - 138
DCB Decachlorobiphenyl (Surr)	64		63 - 138
Tetrachloro-m-xylene (Surr)	70		55 - 135
Tetrachloro-m-xylene (Surr)	66		55 - 135

Lab Sample ID: 180-132196-3 MSD
Matrix: Solid
Analysis Batch: 385310

Client Sample ID: SSHS-IRM5A2-A2-A44C
Prep Type: Total/NA
Prep Batch: 385165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.39	0.987		mg/Kg	☼	71	43 - 136	9	40
PCB-1260	ND		1.39	1.06		mg/Kg	☼	76	55 - 128	4	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	82		63 - 138
DCB Decachlorobiphenyl (Surr)	81		63 - 138
Tetrachloro-m-xylene (Surr)	83		55 - 135
Tetrachloro-m-xylene (Surr)	79		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-385105/1-A
Matrix: Solid
Analysis Batch: 385334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Barium	ND		20	3.6	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Beryllium	ND		0.40	0.11	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Cadmium	ND		0.50	0.073	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Chromium	ND		0.50	0.46	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Copper	ND		2.5	1.5	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Lead	ND		1.0	0.87	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Manganese	ND		1.5	0.28	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Nickel	ND		4.0	0.50	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Selenium	ND		1.0	0.46	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Silver	ND		0.50	0.10	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Zinc	ND		2.0	1.2	mg/Kg		01/13/22 15:41	01/14/22 14:04	1

Lab Sample ID: LCS 180-385105/2-A
Matrix: Solid
Analysis Batch: 385334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		mg/Kg		101	80 - 120
Barium	100	96.3		mg/Kg		96	80 - 120
Beryllium	50.0	49.6		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.5		mg/Kg		99	80 - 120
Lead	50.0	47.1		mg/Kg		94	80 - 120
Manganese	50.0	48.7		mg/Kg		97	80 - 120
Nickel	50.0	48.0		mg/Kg		96	80 - 120
Selenium	100	96.6		mg/Kg		97	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120
Zinc	25.0	24.1		mg/Kg		96	80 - 120

Lab Sample ID: 180-132196-6 MS
Matrix: Solid
Analysis Batch: 385334

Client Sample ID: SSHS-IRM5A2-A2-A45C
Prep Type: Total/NA
Prep Batch: 385105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.4		73.7	60.7		mg/Kg	☼	76	75 - 125
Barium	37	F1	73.7	93.3		mg/Kg	☼	77	75 - 125
Beryllium	0.22	J F1	36.8	26.6	F1	mg/Kg	☼	72	75 - 125
Cadmium	0.060	J F1	36.8	27.3	F1	mg/Kg	☼	74	75 - 125
Chromium	6.5	F1	36.8	33.0	F1	mg/Kg	☼	72	75 - 125
Copper	15	F1	36.8	42.6	F1	mg/Kg	☼	74	75 - 125
Lead	6.2		36.8	38.9		mg/Kg	☼	89	75 - 125
Manganese	300	F2	36.8	708	4	mg/Kg	☼	1103	75 - 125
Nickel	12		36.8	44.2		mg/Kg	☼	86	75 - 125
Selenium	0.41	J F1	73.7	53.7	F1	mg/Kg	☼	72	75 - 125
Silver	ND	F1	18.4	13.5	F1	mg/Kg	☼	74	75 - 125
Zinc	44	F1	18.4	57.1	F1	mg/Kg	☼	70	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-132196-6 MSD
Matrix: Solid
Analysis Batch: 385334

Client Sample ID: SSHS-IRM5A2-A2-A45C
Prep Type: Total/NA
Prep Batch: 385105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.4		74.2	65.4		mg/Kg	☼	82	75 - 125	7	20
Barium	37	F1	74.2	90.5	F1	mg/Kg	☼	73	75 - 125	3	20
Beryllium	0.22	J F1	37.1	28.5		mg/Kg	☼	76	75 - 125	7	20
Cadmium	0.060	J F1	37.1	29.6		mg/Kg	☼	80	75 - 125	8	20
Chromium	6.5	F1	37.1	34.4		mg/Kg	☼	75	75 - 125	4	20
Copper	15	F1	37.1	45.8		mg/Kg	☼	82	75 - 125	7	20
Lead	6.2		37.1	37.7		mg/Kg	☼	85	75 - 125	3	20
Manganese	300	F2	37.1	335	4 F2	mg/Kg	☼	89	75 - 125	72	20
Nickel	12		37.1	44.6		mg/Kg	☼	87	75 - 125	1	20
Selenium	0.41	J F1	74.2	59.0		mg/Kg	☼	79	75 - 125	9	20
Silver	ND	F1	18.5	14.7		mg/Kg	☼	79	75 - 125	8	20
Zinc	44	F1	18.5	56.3	F1	mg/Kg	☼	65	75 - 125	1	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-385100/1-A
Matrix: Solid
Analysis Batch: 385198

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/13/22 15:03	01/14/22 12:14	1

Lab Sample ID: LCS 180-385100/2-A
Matrix: Solid
Analysis Batch: 385198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.417	0.427		mg/Kg		103	80 - 120		

Method: 2540G - SM 2540G

Lab Sample ID: 180-132196-12 DU
Matrix: Solid
Analysis Batch: 385221

Client Sample ID: SSHS-IRM5A2-A2-A47C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.9			6.0		%				2	10
Percent Solids	94.1			94.0		%				0.1	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-385405/1-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385405

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/18/22 09:23	01/19/22 15:47	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-385405/3-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	640		mg/Kg		90	80 - 120

Lab Sample ID: LCSS 180-385405/2-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	15.9		mg/Kg		80	80 - 120

Lab Sample ID: 180-132196-15 MSI
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: SSHS-IRM5A2-A2-A48C
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		760	579		mg/Kg	☼	76	75 - 125

Lab Sample ID: 180-132196-15 MSS
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: SSHS-IRM5A2-A2-A48C
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		21.3	16.3		mg/Kg	☼	77	75 - 125

Lab Sample ID: 180-132196-15 DU
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: SSHS-IRM5A2-A2-A48C
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-385408/4-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/18/22 12:30	01/18/22 17:55	1

Lab Sample ID: HLCS 180-385408/2-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385408

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.259		mg/Kg		103	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-385408/3-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.9		mg/Kg		86	17 - 163

Lab Sample ID: LLCS 180-385408/1-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385408

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0486		mg/Kg		97	90 - 110

Lab Sample ID: MB 180-385640/4-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/20/22 06:25	01/20/22 08:20	1

Lab Sample ID: HLCS 180-385640/2-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-385640/3-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	20.9		mg/Kg		90	17 - 163

Lab Sample ID: LLCS 180-385640/1-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0490		mg/Kg		98	90 - 110

GC/MS VOA

Analysis Batch: 385287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-1	SSHS-IRM5A2-A2-A44A	Total/NA	Solid	EPA 8260C	385293
180-132196-4	SSHS-IRM5A2-A2-A45A	Total/NA	Solid	EPA 8260C	385293
180-132196-7	SSHS-IRM5A2-A2-A46A	Total/NA	Solid	EPA 8260C	385293
180-132196-10	SSHS-IRM5A2-A2-A47A	Total/NA	Solid	EPA 8260C	385293
180-132196-11	SSHS-IRM5A2-A2-A47B	Total/NA	Solid	EPA 8260C	385293
180-132196-14	SSHS-IRM5A2-A2-A48B	Total/NA	Solid	EPA 8260C	385293
180-132196-16	SSHS-IRM5A2-A2-A49A	Total/NA	Solid	EPA 8260C	385293
MB 180-385287/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385287/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 385293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-1	SSHS-IRM5A2-A2-A44A	Total/NA	Solid	5035	
180-132196-4	SSHS-IRM5A2-A2-A45A	Total/NA	Solid	5035	
180-132196-7	SSHS-IRM5A2-A2-A46A	Total/NA	Solid	5035	
180-132196-10	SSHS-IRM5A2-A2-A47A	Total/NA	Solid	5035	
180-132196-11	SSHS-IRM5A2-A2-A47B	Total/NA	Solid	5035	
180-132196-14	SSHS-IRM5A2-A2-A48B	Total/NA	Solid	5035	
180-132196-16	SSHS-IRM5A2-A2-A49A	Total/NA	Solid	5035	

Analysis Batch: 385370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-2	SSHS-IRM5A2-A2-A44B	Total/NA	Solid	EPA 8260C	385375
180-132196-5	SSHS-IRM5A2-A2-A45B	Total/NA	Solid	EPA 8260C	385375
180-132196-8	SSHS-IRM5A2-A2-A46B	Total/NA	Solid	EPA 8260C	385375
180-132196-13	SSHS-IRM5A2-A2-A48A	Total/NA	Solid	EPA 8260C	385375
180-132196-17	SSHS-IRM5A2-A2-A49B	Total/NA	Solid	EPA 8260C	385375
180-132196-19	SSHS-IRM5A2-A2-A50A	Total/NA	Solid	EPA 8260C	385375
180-132196-20	SSHS-IRM5A2-A2-A50B	Total/NA	Solid	EPA 8260C	385375
180-132196-23	SSHS-IRM5A2-A2-A51B	Total/NA	Solid	EPA 8260C	385375
180-132196-25	SSHS-IRM5A2-A2-A52A	Total/NA	Solid	EPA 8260C	385375
180-132196-26	SSHS-IRM5A2-A2-A52B	Total/NA	Solid	EPA 8260C	385375
180-132196-28	SSHS-IRM5A2-A2-DUP11A	Total/NA	Solid	EPA 8260C	385375
MB 180-385370/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385370/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-385370/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 385375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-2	SSHS-IRM5A2-A2-A44B	Total/NA	Solid	5035	
180-132196-5	SSHS-IRM5A2-A2-A45B	Total/NA	Solid	5035	
180-132196-8	SSHS-IRM5A2-A2-A46B	Total/NA	Solid	5035	
180-132196-13	SSHS-IRM5A2-A2-A48A	Total/NA	Solid	5035	
180-132196-17	SSHS-IRM5A2-A2-A49B	Total/NA	Solid	5035	
180-132196-19	SSHS-IRM5A2-A2-A50A	Total/NA	Solid	5035	
180-132196-20	SSHS-IRM5A2-A2-A50B	Total/NA	Solid	5035	
180-132196-23	SSHS-IRM5A2-A2-A51B	Total/NA	Solid	5035	
180-132196-25	SSHS-IRM5A2-A2-A52A	Total/NA	Solid	5035	
180-132196-26	SSHS-IRM5A2-A2-A52B	Total/NA	Solid	5035	
180-132196-28	SSHS-IRM5A2-A2-DUP11A	Total/NA	Solid	5035	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

GC/MS VOA

Analysis Batch: 385504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-22	SSHS-IRM5A2-A2-A51A	Total/NA	Solid	EPA 8260C	385508
180-132196-29	SSHS-IRM5A2-A2-DUP11B	Total/NA	Solid	EPA 8260C	385508
MB 180-385504/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385504/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 385508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-22	SSHS-IRM5A2-A2-A51A	Total/NA	Solid	5035	
180-132196-29	SSHS-IRM5A2-A2-DUP11B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 385159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3541	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3541	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	3541	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	3541	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3541	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	3541	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	3541	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	3541	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	3541	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	3541	
MB 180-385159/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-385159/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3541	
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3541	

Analysis Batch: 385322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 8270D LL	385159
MB 180-385159/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	385159
LCS 180-385159/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	385159
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 8270D LL	385159

Analysis Batch: 385337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	EPA 8270D LL	385159
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	EPA 8270D LL	385159

GC Semi VOA

Prep Batch: 385165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3541	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3541	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	3541	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	3541	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3541	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	3541	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	3541	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	3541	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	3541	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	3541	
MB 180-385165/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-385165/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3541	
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3541	

Cleanup Batch: 385302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3665A	385165
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3665A	385165
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	3665A	385165
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	3665A	385165
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3665A	385165
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	3665A	385165
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	3665A	385165
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	3665A	385165
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	3665A	385165
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	3665A	385165
MB 180-385165/1-C	Method Blank	Total/NA	Solid	3665A	385165
LCS 180-385165/2-C	Lab Control Sample	Total/NA	Solid	3665A	385165
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3665A	385165
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3665A	385165

Cleanup Batch: 385303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3660B	385302
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3660B	385302
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	3660B	385302
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	3660B	385302
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3660B	385302
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	3660B	385302
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	3660B	385302
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	3660B	385302
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	3660B	385302
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	3660B	385302
MB 180-385165/1-C	Method Blank	Total/NA	Solid	3660B	385302
LCS 180-385165/2-C	Lab Control Sample	Total/NA	Solid	3660B	385302
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3660B	385302
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3660B	385302

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

GC Semi VOA

Analysis Batch: 385310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 8082A	385303
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 8082A	385303
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	EPA 8082A	385303
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	EPA 8082A	385303
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 8082A	385303
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	EPA 8082A	385303
MB 180-385165/1-C	Method Blank	Total/NA	Solid	EPA 8082A	385303
LCS 180-385165/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	385303
180-132196-3 MS	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 8082A	385303
180-132196-3 MSD	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 8082A	385303

Analysis Batch: 385366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	EPA 8082A	385303
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	EPA 8082A	385303
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	EPA 8082A	385303
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	EPA 8082A	385303

Metals

Prep Batch: 385100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	7471B	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	7471B	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	7471B	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	7471B	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	7471B	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	7471B	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	7471B	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	7471B	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	7471B	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	7471B	
MB 180-385100/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-385100/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 385105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3050B	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3050B	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	3050B	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	3050B	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3050B	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	3050B	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	3050B	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	3050B	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	3050B	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	3050B	
MB 180-385105/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-385105/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-132196-6 MS	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3050B	
180-132196-6 MSD	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3050B	

Metals

Analysis Batch: 385198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 7471B	385100
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 7471B	385100
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	EPA 7471B	385100
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	EPA 7471B	385100
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 7471B	385100
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	EPA 7471B	385100
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	EPA 7471B	385100
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	EPA 7471B	385100
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	EPA 7471B	385100
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	EPA 7471B	385100
MB 180-385100/1-A	Method Blank	Total/NA	Solid	EPA 7471B	385100
LCS 180-385100/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	385100

Analysis Batch: 385334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 6010C	385105
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 6010C	385105
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	EPA 6010C	385105
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	EPA 6010C	385105
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 6010C	385105
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	EPA 6010C	385105
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	EPA 6010C	385105
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	EPA 6010C	385105
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	EPA 6010C	385105
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	EPA 6010C	385105
MB 180-385105/1-A	Method Blank	Total/NA	Solid	EPA 6010C	385105
LCS 180-385105/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	385105
180-132196-6 MS	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 6010C	385105
180-132196-6 MSD	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 6010C	385105

General Chemistry

Analysis Batch: 385214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	2540G	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	2540G	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	2540G	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	2540G	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	2540G	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	2540G	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	2540G	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	2540G	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	2540G	

Analysis Batch: 385221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	2540G	
180-132196-12 DU	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 385361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-1	SSHS-IRM5A2-A2-A44A	Total/NA	Solid	2540G	
180-132196-2	SSHS-IRM5A2-A2-A44B	Total/NA	Solid	2540G	
180-132196-4	SSHS-IRM5A2-A2-A45A	Total/NA	Solid	2540G	
180-132196-5	SSHS-IRM5A2-A2-A45B	Total/NA	Solid	2540G	
180-132196-7	SSHS-IRM5A2-A2-A46A	Total/NA	Solid	2540G	
180-132196-8	SSHS-IRM5A2-A2-A46B	Total/NA	Solid	2540G	
180-132196-10	SSHS-IRM5A2-A2-A47A	Total/NA	Solid	2540G	
180-132196-11	SSHS-IRM5A2-A2-A47B	Total/NA	Solid	2540G	
180-132196-13	SSHS-IRM5A2-A2-A48A	Total/NA	Solid	2540G	

Prep Batch: 385405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	3060A	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	3060A	
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	3060A	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	3060A	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3060A	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	3060A	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	3060A	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	3060A	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	3060A	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	3060A	
MB 180-385405/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-385405/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-385405/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-132196-15 MSI	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3060A	
180-132196-15 MSS	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3060A	
180-132196-15 DU	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	3060A	

Prep Batch: 385408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	9010C	
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	9010C	
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	9010C	
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	9010C	
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	9010C	
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	9010C	
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	9010C	
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	9010C	
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	9010C	
MB 180-385408/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-385408/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-385408/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-385408/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 385476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-14	SSHS-IRM5A2-A2-A48B	Total/NA	Solid	2540G	
180-132196-16	SSHS-IRM5A2-A2-A49A	Total/NA	Solid	2540G	
180-132196-25	SSHS-IRM5A2-A2-A52A	Total/NA	Solid	2540G	
180-132196-26	SSHS-IRM5A2-A2-A52B	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 385477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-17	SSHS-IRM5A2-A2-A49B	Total/NA	Solid	2540G	
180-132196-19	SSHS-IRM5A2-A2-A50A	Total/NA	Solid	2540G	
180-132196-20	SSHS-IRM5A2-A2-A50B	Total/NA	Solid	2540G	
180-132196-22	SSHS-IRM5A2-A2-A51A	Total/NA	Solid	2540G	
180-132196-23	SSHS-IRM5A2-A2-A51B	Total/NA	Solid	2540G	
180-132196-28	SSHS-IRM5A2-A2-DUP11A	Total/NA	Solid	2540G	
180-132196-29	SSHS-IRM5A2-A2-DUP11B	Total/NA	Solid	2540G	

Analysis Batch: 385612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 9014	385408
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 9014	385408
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	EPA 9014	385408
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 9014	385408
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	EPA 9014	385408
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	EPA 9014	385408
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	EPA 9014	385408
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	EPA 9014	385408
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	EPA 9014	385408
MB 180-385408/4-A	Method Blank	Total/NA	Solid	EPA 9014	385408
HLCS 180-385408/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385408
LCS 180-385408/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385408
LLCS 180-385408/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385408

Analysis Batch: 385624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-3	SSHS-IRM5A2-A2-A44C	Total/NA	Solid	EPA 7196A	385405
180-132196-6	SSHS-IRM5A2-A2-A45C	Total/NA	Solid	EPA 7196A	385405
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	EPA 7196A	385405
180-132196-12	SSHS-IRM5A2-A2-A47C	Total/NA	Solid	EPA 7196A	385405
180-132196-15	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 7196A	385405
180-132196-18	SSHS-IRM5A2-A2-A49C	Total/NA	Solid	EPA 7196A	385405
180-132196-21	SSHS-IRM5A2-A2-A50C	Total/NA	Solid	EPA 7196A	385405
180-132196-24	SSHS-IRM5A2-A2-A51C	Total/NA	Solid	EPA 7196A	385405
180-132196-27	SSHS-IRM5A2-A2-A52C	Total/NA	Solid	EPA 7196A	385405
180-132196-30	SSHS-IRM5A2-A2-DUP11C	Total/NA	Solid	EPA 7196A	385405
MB 180-385405/1-A	Method Blank	Total/NA	Solid	EPA 7196A	385405
LCSI 180-385405/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385405
LCSS 180-385405/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385405
180-132196-15 MSI	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 7196A	385405
180-132196-15 MSS	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 7196A	385405
180-132196-15 DU	SSHS-IRM5A2-A2-A48C	Total/NA	Solid	EPA 7196A	385405

Prep Batch: 385640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	9010C	
MB 180-385640/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-385640/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-385640/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-385640/1-A	Lab Control Sample	Total/NA	Solid	9010C	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132196-1

General Chemistry

Analysis Batch: 385670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132196-9	SSHS-IRM5A2-A2-A46C	Total/NA	Solid	EPA 9014	385640
MB 180-385640/4-A	Method Blank	Total/NA	Solid	EPA 9014	385640
HLCS 180-385640/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
LCS 180-385640/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
LLCS 180-385640/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A44A	1/11/22	1001	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A44B	1/11/22	1002	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A44C	1/11/22	1000	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A45A	1/11/22	1021	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A45B	1/11/22	1022	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A45C	1/11/22	1020	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A46A	1/11/22	1031	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A46B	1/11/22	1032	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A46C	1/11/22	1030	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A47A	1/11/22	1046	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A47B	1/11/22	1047	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mon
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Mo...

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Alex Waheed	11 Jan 2022 1500	Geosyntec		1/13/22 1015	FedEx
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-132196 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A47C	1/11/22	1045	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A48A	1/11/22	1130	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48B	1/11/22	1135	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48C	1/11/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A49A	1/11/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49B	1/11/22	1425	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49C	1/11/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A50A	1/11/22	1435	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50B	1/11/22	1440	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50C	1/11/22	1445	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A51A	1/11/22	1450	G	S	N		N	X												4	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/Jan/2022 1500	Geosyntec		1/12/22 1015	EA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A51B	1/11/22	1455	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A51C	1/11/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A52A	1/11/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A52B	1/11/22	1525	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A52C	1/11/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP11A	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11B	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11C	1/11/22	-	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/13/2022 1500	Geosyntec		1/13/22 1015	EMPT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	
City: Columbia	TAT Requested (days): 5 day	
State, Zip: MD, 21044		
Phone: 410-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site-	Project #: 18013464	
Site:	SSOW#:	

180-132196 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N								
SSHS-IRM5A2-A2-A44A	1/11/22	1001	G	S	N	N	X														4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A44B	1/11/22	1002	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A44C	1/11/22	1000	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A45A	1/11/22	1021	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A45B	1/11/22	1022	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A45C	1/11/22	1020	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A46A	1/11/22	1031	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A46B	1/11/22	1032	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A46C	1/11/22	1030	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A47A	1/11/22	1046	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A47B	1/11/22	1047	G	S	N	N	X														4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/13/2022 1800	GeoSyntec		1/13/22 1020	EETCA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3°C

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: AK Waheed & A. Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A47C	1/11/22	1045	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A48A	1/11/22	1130	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48B	1/11/22	1135	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A48C	1/11/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A49A	1/11/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49B	1/11/22	1425	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A49C	1/11/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A50A	1/11/22	1435	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50B	1/11/22	1440	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A50C	1/11/22	1445	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A51A	1/11/22	1450	G	S	N		N	X												4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alex Waheed	11/3/22 1800	Geosyntec	[signature]	11/3/22 1020	BETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3°C

1150 50 1-13-22

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A51B	1/11/22	1455	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A51C	1/11/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A52A	1/11/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A52B	1/11/22	1525	G	S	N	N	X								4	
★ SSHS-IRM5A2-A2-A52C	1/11/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP11A	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11B	1/11/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP11C	1/11/22	-	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/3/2022 1800	Geosyntec		1/13/22 1020	EETCA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.3°C

★ ID error in S2c not AS2 SDi 1-13-22

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-132196 Field Sheet

Job: _____

Tracking # : 7756 9058 2462

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-02 Corr. Factor: (+ / -) 0 °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.3 °C Corrected: 1.3 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 1/13/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 1-13-22

Notes: 1/12/22

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 1-13-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132196-1

Login Number: 132196
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132252-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/20/2022 11:09:27 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-132252-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132252-1

Comments
Due to FEDEX delay, one cooler containing terracores was not received on 1/13/22, but was received on 1/14/22. Notation was made to the coc. The terracores were frozen within 48 hours of collection.

Receipt
The samples were received on 1/13 and 14/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8º C, 2.8º C, 3.8º C and 3.8º C.

GC/MS VOA
Method 8260C: The recovery of surrogate Toluene-d8 for the following sample was above the control limits: SSHS-IRM5A2-A2-A55A (180-132252-7). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-385643 recovered above the control limits for the following analyte: Tetrachloroethene. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132252-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132252-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132252-1	SSHS-IRM5A2-A2-A53A	Solid	01/12/22 14:00	01/14/22 09:30
180-132252-2	SSHS-IRM5A2-A2-A53B	Solid	01/12/22 14:05	01/13/22 10:15
180-132252-3	SSHS-IRM5A2-A2-A53C	Solid	01/12/22 14:10	01/13/22 10:15
180-132252-4	SSHS-IRM5A2-A2-A54A	Solid	01/12/22 14:30	01/14/22 09:30
180-132252-5	SSHS-IRM5A2-A2-A54B	Solid	01/12/22 14:35	01/13/22 10:15
180-132252-6	SSHS-IRM5A2-A2-A54C	Solid	01/12/22 14:40	01/13/22 10:15
180-132252-7	SSHS-IRM5A2-A2-A55A	Solid	01/12/22 15:00	01/14/22 09:30
180-132252-8	SSHS-IRM5A2-A2-A55B	Solid	01/12/22 15:05	01/13/22 10:15
180-132252-9	SSHS-IRM5A2-A2-A55C	Solid	01/12/22 15:10	01/13/22 10:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132252-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A53A
Lab Sample ID: 180-132252-1
Date Collected: 01/12/22 14:00
Matrix: Solid
Date Received: 01/14/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A53A
Lab Sample ID: 180-132252-1
Date Collected: 01/12/22 14:00
Matrix: Solid
Date Received: 01/14/22 09:30
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7829 g	5 mL	385652	01/20/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385643	01/20/22 09:07	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A53B
Lab Sample ID: 180-132252-2
Date Collected: 01/12/22 14:05
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A53B
Lab Sample ID: 180-132252-2
Date Collected: 01/12/22 14:05
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0672 g	5 mL	385508	01/19/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385504	01/19/22 16:42	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A53C
Lab Sample ID: 180-132252-3
Date Collected: 01/12/22 14:10
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A53C
Lab Sample ID: 180-132252-3
Date Collected: 01/12/22 14:10
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.38 g	0.5 mL	385114	01/14/22 11:30	CBY	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385322	01/17/22 22:26	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-1

Client Sample ID: SSHS-IRM5A2-A2-A53C

Lab Sample ID: 180-132252-3
Date Collected: 01/12/22 14:10
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.27 g	20.0 mL	385115	01/14/22 11:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385243	01/15/22 06:03	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385244	01/15/22 06:04	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385242	01/15/22 14:43	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.70 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:35	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.95 g	100 mL	385101	01/13/22 15:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 13:01	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.48 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:13	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:27	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A54A

Lab Sample ID: 180-132252-4
Date Collected: 01/12/22 14:30
Matrix: Solid
Date Received: 01/14/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A54A

Lab Sample ID: 180-132252-4
Date Collected: 01/12/22 14:30
Matrix: Solid
Date Received: 01/14/22 09:30
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9678 g	5 mL	385508	01/19/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385504	01/19/22 16:19	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A54B

Lab Sample ID: 180-132252-5
Date Collected: 01/12/22 14:35
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-1

Client Sample ID: SSHS-IRM5A2-A2-A54B

Lab Sample ID: 180-132252-5
Date Collected: 01/12/22 14:35
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9219 g	5 mL	385508	01/19/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385504	01/19/22 15:55	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A54C

Lab Sample ID: 180-132252-6
Date Collected: 01/12/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A54C

Lab Sample ID: 180-132252-6
Date Collected: 01/12/22 14:40
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.31 g	0.5 mL	385114	01/14/22 11:30	CBY	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385322	01/17/22 23:33	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.47 g	20.0 mL	385115	01/14/22 11:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385243	01/15/22 06:03	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385244	01/15/22 06:04	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385242	01/15/22 15:39	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.72 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:40	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	385101	01/13/22 15:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 13:02	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:14	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:32	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A55A

Lab Sample ID: 180-132252-7
Date Collected: 01/12/22 15:00
Matrix: Solid
Date Received: 01/14/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132252-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A55A
Lab Sample ID: 180-132252-7
Date Collected: 01/12/22 15:00
Matrix: Solid
Date Received: 01/14/22 09:30
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6086 g	5 mL	385375	01/18/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385370	01/18/22 16:35	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A55B
Lab Sample ID: 180-132252-8
Date Collected: 01/12/22 15:05
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A55B
Lab Sample ID: 180-132252-8
Date Collected: 01/12/22 15:05
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.039 g	5 mL	385508	01/19/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385504	01/19/22 10:29	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A55C
Lab Sample ID: 180-132252-9
Date Collected: 01/12/22 15:10
Matrix: Solid
Date Received: 01/13/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385214	01/14/22 14:42	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A55C
Lab Sample ID: 180-132252-9
Date Collected: 01/12/22 15:10
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.43 g	0.5 mL	385114	01/14/22 11:30	CBY	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385322	01/17/22 23:56	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.42 g	20.0 mL	385115	01/14/22 11:45	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385243	01/15/22 06:03	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385244	01/15/22 06:04	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385242	01/15/22 15:57	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.70 g	100 mL	385105	01/13/22 15:41	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385334	01/14/22 15:44	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132252-1

Client Sample ID: SSHS-IRM5A2-A2-A55C
Date Collected: 01/12/22 15:10
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132252-9
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.86 g	100 mL	385101	01/13/22 15:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385198	01/14/22 13:03	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.55 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:16	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	385408	01/18/22 12:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385612	01/18/22 18:05	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- CBY = Charles Yushinski
- CMR = Carl Reagle
- KLG = Kathy Gordon
- PMH = Paloma Hoelzle
- RGM = Rebecca Manns
- RJR = Ron Rosenbaum

Batch Type: Analysis
- CMR = Carl Reagle
- CMT = Cassandra Tlumac
- JMO = John Oravec
- KEM = Kimberly Mahoney
- KLG = Kathy Gordon
- PMH = Paloma Hoelzle
- RJG = Rob Good
- VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A53A

Lab Sample ID: 180-132252-1
Date Collected: 01/12/22 14:00
Matrix: Solid
Date Received: 01/14/22 09:30
Percent Solids: 94.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Tetrachloroethene	ND	*+	0.0055	0.0022	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	01/20/22 06:00	01/20/22 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*01/20/22 06:00*	*01/20/22 09:07*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*01/20/22 06:00*	*01/20/22 09:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*01/20/22 06:00*	*01/20/22 09:07*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*01/20/22 06:00*	*01/20/22 09:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.4**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**94.6**		0.1	0.1	%			01/14/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A53B

Lab Sample ID: 180-132252-2
Date Collected: 01/12/22 14:05
Matrix: Solid
Date Received: 01/13/22 10:15
Percent Solids: 95.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Benzene	ND		0.0051	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1

Client Sample ID: SSHS-IRM5A2-A2-A53B
Lab Sample ID: 180-132252-2
Date Collected: 01/12/22 14:05 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 95.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Chloroform	ND		0.0051	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
cis-1,2-Dichloroethene	ND		0.0051	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
n-Butylbenzene	ND		0.0051	0.0026	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	01/19/22 06:00	01/19/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/19/22 06:00*	*01/19/22 16:42*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*01/19/22 06:00*	*01/19/22 16:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*01/19/22 06:00*	*01/19/22 16:42*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/19/22 06:00*	*01/19/22 16:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.2**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**95.8**		0.1	0.1	%			01/14/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A53C
Lab Sample ID: 180-132252-3
Date Collected: 01/12/22 14:10 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 93.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Acenaphthylene	**0.0021**	**J**	0.0070	0.0015	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1

Client Sample ID: SSHS-IRM5A2-A2-A53C **Lab Sample ID: 180-132252-3**
Date Collected: 01/12/22 14:10 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 93.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Benzo[b]fluoranthene	**0.0050**	**J**	0.0070	0.0017	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Benzo[g,h,i]perylene	**0.0036**	**J**	0.0070	0.0015	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Fluoranthene	**0.0030**	**J**	0.0070	0.0018	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
2-Methylphenol	ND		0.034	0.010	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Phenol	ND		0.034	0.011	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Pyrene	**0.0042**	**J**	0.0070	0.0016	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*01/14/22 11:30*	*01/17/22 22:26*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*01/14/22 11:30*	*01/17/22 22:26*	*1*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*01/14/22 11:30*	*01/17/22 22:26*	*1*
Phenol-d5 (Surr)	*64*		*34 - 105*	*01/14/22 11:30*	*01/17/22 22:26*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*01/14/22 11:30*	*01/17/22 22:26*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*20 - 119*	*01/14/22 11:30*	*01/17/22 22:26*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0057	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1221	ND		0.018	0.0062	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1248	**0.080**		0.018	0.0042	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1254	**0.058**		0.018	0.0053	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/14/22 11:45	01/15/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*01/14/22 11:45*	*01/15/22 14:43*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*01/14/22 11:45*	*01/15/22 14:43*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A53C — Lab Sample ID: 180-132252-3

Date Collected: 01/12/22 14:10 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 93.5**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*01/14/22 11:45*	*01/15/22 14:43*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*01/14/22 11:45*	*01/15/22 14:43*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.63	0.39	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Barium	**40**		13	2.2	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Beryllium	**0.22**	**J**	0.25	0.069	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Cadmium	**0.060**	**J**	0.31	0.046	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Chromium	**6.5**		0.31	0.29	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Copper	**17**		1.6	0.95	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Lead	**7.8**		0.63	0.55	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Manganese	**290**		0.94	0.17	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Nickel	**13**		2.5	0.32	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Selenium	**0.31**	**J**	0.63	0.29	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Silver	ND		0.31	0.065	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1
Zinc	**53**		1.3	0.75	mg/Kg	☼	01/13/22 15:41	01/14/22 15:35	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.022	0.014	mg/Kg	☼	01/13/22 15:05	01/14/22 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**93.5**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:13	1
Cyanide, Total	ND		0.51	0.39	mg/Kg	☼	01/18/22 12:30	01/18/22 18:27	1

Client Sample ID: SSHS-IRM5A2-A2-A54A — Lab Sample ID: 180-132252-4

Date Collected: 01/12/22 14:30 — **Matrix: Solid**
Date Received: 01/14/22 09:30 — **Percent Solids: 93.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1

Client Sample ID: SSHS-IRM5A2-A2-A54A — Lab Sample ID: 180-132252-4

Date Collected: 01/12/22 14:30 — **Matrix: Solid**
Date Received: 01/14/22 09:30 — **Percent Solids: 93.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/19/22 06:00	01/19/22 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/19/22 06:00*	*01/19/22 16:19*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/19/22 06:00*	*01/19/22 16:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*01/19/22 06:00*	*01/19/22 16:19*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/19/22 06:00*	*01/19/22 16:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**93.0**		0.1	0.1	%			01/14/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A54B — Lab Sample ID: 180-132252-5

Date Collected: 01/12/22 14:35 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 95.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1

Client Sample ID: SSHS-IRM5A2-A2-A54B
Lab Sample ID: 180-132252-5
Date Collected: 01/12/22 14:35 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 95.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	01/19/22 06:00	01/19/22 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/19/22 06:00*	*01/19/22 15:55*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/19/22 06:00*	*01/19/22 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*01/19/22 06:00*	*01/19/22 15:55*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/19/22 06:00*	*01/19/22 15:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**95.4**		0.1	0.1	%			01/14/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A54C
Lab Sample ID: 180-132252-6
Date Collected: 01/12/22 14:40 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 94.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Benzo[b]fluoranthene	**0.0028**	**J**	0.0070	0.0017	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Benzo[g,h,i]perylene	**0.0021**	**J**	0.0070	0.0015	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Chrysene	ND		0.0070	0.0038	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Dibenz(a,h)anthracene	ND		0.0070	0.0044	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Fluoranthene	**0.0033**	**J**	0.0070	0.0018	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0034	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1

Client Sample ID: SSHS-IRM5A2-A2-A54C
Date Collected: 01/12/22 14:40
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132252-6
Matrix: Solid
Percent Solids: 94.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Naphthalene	ND		0.0070	0.0013	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Phenanthrene	**0.0026**	**J**	0.0070	0.0019	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Phenol	ND		0.034	0.010	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Pyrene	**0.0033**	**J**	0.0070	0.0016	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*01/14/22 11:30*	*01/17/22 23:33*	*1*
2-Fluorophenol (Surr)	*57*		*32 - 105*	*01/14/22 11:30*	*01/17/22 23:33*	*1*
Nitrobenzene-d5 (Surr)	*59*		*34 - 109*	*01/14/22 11:30*	*01/17/22 23:33*	*1*
Phenol-d5 (Surr)	*57*		*34 - 105*	*01/14/22 11:30*	*01/17/22 23:33*	*1*
Terphenyl-d14 (Surr)	*72*		*20 - 117*	*01/14/22 11:30*	*01/17/22 23:33*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*	*01/14/22 11:30*	*01/17/22 23:33*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1248	ND		0.017	0.0041	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1254	**0.058**		0.017	0.0051	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1262	ND		0.017	0.0060	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 11:45	01/15/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*01/14/22 11:45*	*01/15/22 15:39*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*01/14/22 11:45*	*01/15/22 15:39*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*01/14/22 11:45*	*01/15/22 15:39*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*01/14/22 11:45*	*01/15/22 15:39*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.2**		0.62	0.39	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Barium	**38**		12	2.2	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Beryllium	**0.19**	**J**	0.25	0.067	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Cadmium	**0.097**	**J**	0.31	0.045	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Chromium	**6.1**		0.31	0.28	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Copper	**16**		1.5	0.93	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Lead	**6.7**		0.62	0.54	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Manganese	**300**		0.92	0.17	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Nickel	**12**		2.5	0.31	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Selenium	**0.54**	**J**	0.62	0.28	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1

Client Sample ID: SSHS-IRM5A2-A2-A54C
Lab Sample ID: 180-132252-6
Date Collected: 01/12/22 14:40 **Matrix: Solid**
Date Received: 01/13/22 10:15 **Percent Solids: 94.4**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.31	0.064	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1
Zinc	**45**		1.2	0.73	mg/Kg	☼	01/13/22 15:41	01/14/22 15:40	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**	**J**	0.031	0.020	mg/Kg	☼	01/13/22 15:05	01/14/22 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.6**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**94.4**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:14	1
Cyanide, Total	ND		0.44	0.34	mg/Kg	☼	01/18/22 12:30	01/18/22 18:32	1

Client Sample ID: SSHS-IRM5A2-A2-A55A
Lab Sample ID: 180-132252-7
Date Collected: 01/12/22 15:00 **Matrix: Solid**
Date Received: 01/14/22 09:30 **Percent Solids: 91.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	01/18/22 06:00	01/18/22 16:35	1

Client Sample ID: SSHS-IRM5A2-A2-A55A — Lab Sample ID: 180-132252-7

Date Collected: 01/12/22 15:00 — **Matrix: Solid**
Date Received: 01/14/22 09:30 — **Percent Solids: 91.7**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*01/18/22 06:00*	*01/18/22 16:35*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*01/18/22 06:00*	*01/18/22 16:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*01/18/22 06:00*	*01/18/22 16:35*	*1*
Toluene-d8 (Surr)	*139*	*S1+*	*67 - 134*	*01/18/22 06:00*	*01/18/22 16:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**91.7**		0.1	0.1	%			01/14/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A55B — Lab Sample ID: 180-132252-8

Date Collected: 01/12/22 15:05 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 91.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	01/19/22 06:00	01/19/22 10:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*01/19/22 06:00*	*01/19/22 10:29*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*01/19/22 06:00*	*01/19/22 10:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*01/19/22 06:00*	*01/19/22 10:29*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A55B — Lab Sample ID: 180-132252-8

Date Collected: 01/12/22 15:05 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 91.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*113*		*67 - 134*	*01/19/22 06:00*	*01/19/22 10:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**91.8**		0.1	0.1	%			01/14/22 14:42	1

Client Sample ID: SSHS-IRM5A2-A2-A55C — Lab Sample ID: 180-132252-9

Date Collected: 01/12/22 15:10 — **Matrix: Solid**
Date Received: 01/13/22 10:15 — **Percent Solids: 93.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Benzo[b]fluoranthene	**0.0022**	**J**	0.0070	0.0017	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Benzo[g,h,i]perylene	**0.0016**	**J**	0.0070	0.0015	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Chrysene	ND		0.0070	0.0038	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Dibenz(a,h)anthracene	ND		0.0070	0.0044	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Fluoranthene	**0.0019**	**J**	0.0070	0.0018	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Phenol	ND		0.034	0.011	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Pyrene	**0.0022**	**J**	0.0070	0.0016	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/14/22 11:30	01/17/22 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*47*		*35 - 105*	*01/14/22 11:30*	*01/17/22 23:56*	*1*
2-Fluorophenol (Surr)	*46*		*32 - 105*	*01/14/22 11:30*	*01/17/22 23:56*	*1*
Nitrobenzene-d5 (Surr)	*46*		*34 - 109*	*01/14/22 11:30*	*01/17/22 23:56*	*1*
Phenol-d5 (Surr)	*45*		*34 - 105*	*01/14/22 11:30*	*01/17/22 23:56*	*1*
Terphenyl-d14 (Surr)	*61*		*20 - 117*	*01/14/22 11:30*	*01/17/22 23:56*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A55C
Date Collected: 01/12/22 15:10
Date Received: 01/13/22 10:15

Lab Sample ID: 180-132252-9
Matrix: Solid
Percent Solids: 93.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*51*		*20 - 119*	*01/14/22 11:30*	*01/17/22 23:56*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1248	**0.024**		0.017	0.0042	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1254	**0.011**	**J**	0.017	0.0052	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 11:45	01/15/22 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*01/14/22 11:45*	*01/15/22 15:57*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*01/14/22 11:45*	*01/15/22 15:57*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*01/14/22 11:45*	*01/15/22 15:57*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*01/14/22 11:45*	*01/15/22 15:57*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		0.63	0.39	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Barium	**42**		13	2.2	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Beryllium	**0.22**	**J**	0.25	0.069	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Cadmium	**0.055**	**J**	0.31	0.046	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Chromium	**6.8**		0.31	0.29	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Copper	**17**		1.6	0.95	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Lead	**9.0**		0.63	0.55	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Manganese	**310**		0.94	0.17	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Nickel	**13**		2.5	0.32	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Selenium	**0.54**	**J**	0.63	0.29	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Silver	ND		0.31	0.065	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1
Zinc	**50**		1.3	0.75	mg/Kg	☼	01/13/22 15:41	01/14/22 15:44	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.025	0.016	mg/Kg	☼	01/13/22 15:05	01/14/22 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.1	0.1	%			01/14/22 14:42	1
Percent Solids	**93.5**		0.1	0.1	%			01/14/22 14:42	1
Hexavalent chromium	ND		0.42	0.22	mg/Kg	☼	01/18/22 09:23	01/19/22 16:16	1
Cyanide, Total	ND		0.40	0.30	mg/Kg	☼	01/18/22 12:30	01/18/22 18:05	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-385370/6
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/18/22 08:49	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/18/22 08:49	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/18/22 08:49	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/18/22 08:49	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/18/22 08:49	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/18/22 08:49	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/18/22 08:49	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/18/22 08:49	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/18/22 08:49	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/18/22 08:49	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/18/22 08:49	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/18/22 08:49	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/18/22 08:49	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/18/22 08:49	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/18/22 08:49	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/18/22 08:49	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/18/22 08:49	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/18/22 08:49	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/18/22 08:49	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/18/22 08:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*		*01/18/22 08:49*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*		*01/18/22 08:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*		*01/18/22 08:49*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*		*01/18/22 08:49*	*1*

Lab Sample ID: LCS 180-385370/3
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			0.0400	0.0364		mg/Kg		91	23 - 170		
Benzene			0.0400	0.0388		mg/Kg		97	77 - 120		
2-Butanone (MEK)			0.0400	0.0415		mg/Kg		104	39 - 157		
Carbon tetrachloride			0.0400	0.0369		mg/Kg		92	73 - 130		
Chlorobenzene			0.0400	0.0397		mg/Kg		99	79 - 122		
Chloroform			0.0400	0.0353		mg/Kg		88	73 - 126		

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385370/3
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0408		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0399		mg/Kg		100	76 - 120
1,3-Dichlorobenzene	0.0400	0.0422		mg/Kg		106	77 - 121
1,4-Dichlorobenzene	0.0400	0.0397		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0394		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0387		mg/Kg		97	64 - 140
1,1-Dichloroethene	0.0400	0.0412		mg/Kg		103	55 - 136
1,4-Dioxane	0.800	0.822	J	mg/Kg		103	18 - 166
Ethylbenzene	0.0400	0.0382		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0383		mg/Kg		96	67 - 131
Methyl tert-butyl ether	0.0400	0.0340		mg/Kg		85	58 - 132
n-Butylbenzene	0.0400	0.0377		mg/Kg		94	64 - 136
N-Propylbenzene	0.0400	0.0402		mg/Kg		101	71 - 127
sec-Butylbenzene	0.0400	0.0377		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0395		mg/Kg		99	69 - 133
Tetrachloroethene	0.0400	0.0446		mg/Kg		111	71 - 121
Toluene	0.0400	0.0388		mg/Kg		97	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0401		mg/Kg		100	75 - 122
1,1,1-Trichloroethane	0.0400	0.0375		mg/Kg		94	72 - 134
Trichloroethene	0.0400	0.0434		mg/Kg		109	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0366		mg/Kg		91	64 - 134
Xylenes, Total	0.0800	0.0742		mg/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*
Toluene-d8 (Surr)	*104*		*67 - 134*

Lab Sample ID: LCSD 180-385370/4
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0372		mg/Kg		93	23 - 170	2	35
Benzene	0.0400	0.0399		mg/Kg		100	77 - 120	3	20
2-Butanone (MEK)	0.0400	0.0430		mg/Kg		107	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0403		mg/Kg		101	73 - 130	9	21
Chlorobenzene	0.0400	0.0399		mg/Kg		100	79 - 122	0	20
Chloroform	0.0400	0.0367		mg/Kg		92	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0426		mg/Kg		106	77 - 118	4	20
1,2-Dichlorobenzene	0.0400	0.0412		mg/Kg		103	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0432		mg/Kg		108	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0410		mg/Kg		103	73 - 124	4	20
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140	0	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-385370/4
Matrix: Solid
Analysis Batch: 385370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0343		mg/Kg		86	55 - 136	18	21
1,4-Dioxane			0.800	0.729	J	mg/Kg		91	18 - 166	12	40
Ethylbenzene			0.0400	0.0385		mg/Kg		96	79 - 119	1	20
Methylene Chloride			0.0400	0.0393		mg/Kg		98	67 - 131	3	32
Methyl tert-butyl ether			0.0400	0.0367		mg/Kg		92	58 - 132	8	24
n-Butylbenzene			0.0400	0.0381		mg/Kg		95	64 - 136	1	21
N-Propylbenzene			0.0400	0.0425		mg/Kg		106	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0398		mg/Kg		99	65 - 130	5	20
tert-Butylbenzene			0.0400	0.0415		mg/Kg		104	69 - 133	5	23
Tetrachloroethene			0.0400	0.0466		mg/Kg		116	71 - 121	4	21
Toluene			0.0400	0.0398		mg/Kg		100	76 - 120	3	20
trans-1,2-Dichloroethene			0.0400	0.0423		mg/Kg		106	75 - 122	5	20
1,1,1-Trichloroethane			0.0400	0.0398		mg/Kg		99	72 - 134	6	20
Trichloroethene			0.0400	0.0448		mg/Kg		112	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0400		mg/Kg		100	74 - 127	4	20
1,3,5-Trimethylbenzene			0.0400	0.0397		mg/Kg		99	69 - 131	3	20
Vinyl chloride			0.0400	0.0390		mg/Kg		97	64 - 134	6	23
Xylenes, Total			0.0800	0.0754		mg/Kg		94	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Lab Sample ID: MB 180-385504/5
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/19/22 08:09	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/19/22 08:09	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/19/22 08:09	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/19/22 08:09	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/19/22 08:09	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/19/22 08:09	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/19/22 08:09	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/19/22 08:09	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/19/22 08:09	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/19/22 08:09	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/19/22 08:09	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/19/22 08:09	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/19/22 08:09	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/19/22 08:09	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/19/22 08:09	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/19/22 08:09	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/19/22 08:09	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/19/22 08:09	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385504/5
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/19/22 08:09	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/19/22 08:09	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/19/22 08:09	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/19/22 08:09	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/19/22 08:09	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/19/22 08:09	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/19/22 08:09	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/19/22 08:09	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/19/22 08:09	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/19/22 08:09	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/19/22 08:09	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/19/22 08:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*01/19/22 08:09*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*01/19/22 08:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*		*01/19/22 08:09*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*		*01/19/22 08:09*	*1*

Lab Sample ID: LCS 180-385504/3
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0328		mg/Kg		82	23 - 170
Benzene	0.0400	0.0405		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0400		mg/Kg		100	39 - 157
Carbon tetrachloride	0.0400	0.0390		mg/Kg		98	73 - 130
Chlorobenzene	0.0400	0.0413		mg/Kg		103	79 - 122
Chloroform	0.0400	0.0364		mg/Kg		91	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0421		mg/Kg		105	77 - 118
1,2-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	76 - 120
1,3-Dichlorobenzene	0.0400	0.0447		mg/Kg		112	77 - 121
1,4-Dichlorobenzene	0.0400	0.0426		mg/Kg		107	79 - 120
1,1-Dichloroethane	0.0400	0.0405		mg/Kg		101	73 - 124
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140
1,1-Dichloroethene	0.0400	0.0375		mg/Kg		94	55 - 136
1,4-Dioxane	0.800	0.828	J	mg/Kg		103	18 - 166
Ethylbenzene	0.0400	0.0399		mg/Kg		100	79 - 119
Methylene Chloride	0.0400	0.0397		mg/Kg		99	67 - 131
Methyl tert-butyl ether	0.0400	0.0343		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0409		mg/Kg		102	64 - 136
N-Propylbenzene	0.0400	0.0418		mg/Kg		105	71 - 127
sec-Butylbenzene	0.0400	0.0409		mg/Kg		102	65 - 130
tert-Butylbenzene	0.0400	0.0414		mg/Kg		103	69 - 133
Tetrachloroethene	0.0400	0.0482		mg/Kg		120	71 - 121
Toluene	0.0400	0.0407		mg/Kg		102	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0415		mg/Kg		104	75 - 122

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385504/3
Matrix: Solid
Analysis Batch: 385504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0400	0.0394		mg/Kg		99	72 - 134
Trichloroethene	0.0400	0.0452		mg/Kg		113	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0415		mg/Kg		104	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0408		mg/Kg		102	69 - 131
Vinyl chloride	0.0400	0.0380		mg/Kg		95	64 - 134
Xylenes, Total	0.0800	0.0780		mg/Kg		98	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: MB 180-385643/5
Matrix: Solid
Analysis Batch: 385643

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/20/22 08:22	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/20/22 08:22	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/20/22 08:22	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/20/22 08:22	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/20/22 08:22	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/20/22 08:22	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/20/22 08:22	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/20/22 08:22	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/20/22 08:22	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/20/22 08:22	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/20/22 08:22	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/20/22 08:22	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/20/22 08:22	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/20/22 08:22	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/20/22 08:22	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/20/22 08:22	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/20/22 08:22	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/20/22 08:22	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/20/22 08:22	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/20/22 08:22	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/20/22 08:22	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/20/22 08:22	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/20/22 08:22	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/20/22 08:22	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/20/22 08:22	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/20/22 08:22	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/20/22 08:22	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/20/22 08:22	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/20/22 08:22	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/20/22 08:22	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385643/5
Matrix: Solid
Analysis Batch: 385643

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*		*01/20/22 08:22*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*		*01/20/22 08:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*		*01/20/22 08:22*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*		*01/20/22 08:22*	*1*

Lab Sample ID: LCS 180-385643/3
Matrix: Solid
Analysis Batch: 385643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0365		mg/Kg		91	23 - 170
Benzene	0.0400	0.0401		mg/Kg		100	77 - 120
2-Butanone (MEK)	0.0400	0.0400		mg/Kg		100	39 - 157
Carbon tetrachloride	0.0400	0.0387		mg/Kg		97	73 - 130
Chlorobenzene	0.0400	0.0422		mg/Kg		105	79 - 122
Chloroform	0.0400	0.0367		mg/Kg		92	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0412		mg/Kg		103	77 - 118
1,2-Dichlorobenzene	0.0400	0.0424		mg/Kg		106	76 - 120
1,3-Dichlorobenzene	0.0400	0.0450		mg/Kg		113	77 - 121
1,4-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	79 - 120
1,1-Dichloroethane	0.0400	0.0416		mg/Kg		104	73 - 124
1,2-Dichloroethane	0.0400	0.0390		mg/Kg		97	64 - 140
1,1-Dichloroethene	0.0400	0.0447		mg/Kg		112	55 - 136
1,4-Dioxane	0.800	0.776	J	mg/Kg		97	18 - 166
Ethylbenzene	0.0400	0.0405		mg/Kg		101	79 - 119
Methylene Chloride	0.0400	0.0421		mg/Kg		105	67 - 131
Methyl tert-butyl ether	0.0400	0.0345		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0411		mg/Kg		103	64 - 136
N-Propylbenzene	0.0400	0.0413		mg/Kg		103	71 - 127
sec-Butylbenzene	0.0400	0.0407		mg/Kg		102	65 - 130
tert-Butylbenzene	0.0400	0.0421		mg/Kg		105	69 - 133
Tetrachloroethene	0.0400	0.0495	*+	mg/Kg		124	71 - 121
Toluene	0.0400	0.0407		mg/Kg		102	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0414		mg/Kg		104	75 - 122
1,1,1-Trichloroethane	0.0400	0.0395		mg/Kg		99	72 - 134
Trichloroethene	0.0400	0.0455		mg/Kg		114	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0408		mg/Kg		102	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0406		mg/Kg		101	69 - 131
Vinyl chloride	0.0400	0.0383		mg/Kg		96	64 - 134
Xylenes, Total	0.0800	0.0789		mg/Kg		99	78 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-385114/1-A
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Anthracene	ND		0.0067	0.0017	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Chrysene	ND		0.0067	0.0037	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Fluorene	ND		0.0067	0.0013	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Phenol	ND		0.033	0.010	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Pyrene	ND		0.0067	0.0016	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
Pyridine	ND		0.067	0.018	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		01/14/22 11:30	01/17/22 14:36	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		01/14/22 11:30	01/17/22 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*01/14/22 11:30*	*01/17/22 14:36*	*1*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*01/14/22 11:30*	*01/17/22 14:36*	*1*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*	*01/14/22 11:30*	*01/17/22 14:36*	*1*
Phenol-d5 (Surr)	*65*		*34 - 105*	*01/14/22 11:30*	*01/17/22 14:36*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*01/14/22 11:30*	*01/17/22 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*20 - 119*	*01/14/22 11:30*	*01/17/22 14:36*	*1*

Lab Sample ID: LCS 180-385114/2-A
Matrix: Solid
Analysis Batch: 385489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.420		mg/Kg		63	41 - 100
Acenaphthylene	0.667	0.441		mg/Kg		66	45 - 100
Anthracene	0.667	0.449		mg/Kg		67	47 - 100
Benzo[a]anthracene	0.667	0.432		mg/Kg		65	47 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-385114/2-A
Matrix: Solid
Analysis Batch: 385489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	0.667	0.444		mg/Kg		67	45 - 101
Benzo[b]fluoranthene	0.667	0.432		mg/Kg		65	44 - 100
Benzo[g,h,i]perylene	0.667	0.458		mg/Kg		69	45 - 103
Benzo[k]fluoranthene	0.667	0.401		mg/Kg		60	43 - 100
Chrysene	0.667	0.419		mg/Kg		63	44 - 100
Dibenz(a,h)anthracene	0.667	0.462		mg/Kg		69	46 - 107
Dibenzofuran	0.667	0.428		mg/Kg		64	47 - 100
2,4-Dinitrotoluene	0.667	0.475		mg/Kg		71	48 - 106
1,4-Dioxane	0.667	0.438		mg/Kg		66	10 - 133
Fluoranthene	0.667	0.451		mg/Kg		68	49 - 102
Fluorene	0.667	0.441		mg/Kg		66	46 - 100
Hexachlorobenzene	0.667	0.441		mg/Kg		66	45 - 101
Hexachlorobutadiene	0.667	0.422		mg/Kg		63	38 - 110
Hexachloroethane	0.667	0.406		mg/Kg		61	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.469		mg/Kg		70	48 - 104
2-Methylphenol	0.667	0.418		mg/Kg		63	43 - 101
Methylphenol, 3 & 4	0.667	0.430		mg/Kg		65	43 - 104
Naphthalene	0.667	0.431		mg/Kg		65	43 - 100
Nitrobenzene	0.667	0.439		mg/Kg		66	43 - 107
Pentachlorophenol	1.33	0.854		mg/Kg		64	34 - 112
Phenanthrene	0.667	0.428		mg/Kg		64	46 - 100
Phenol	0.667	0.424		mg/Kg		64	42 - 103
Pyrene	0.667	0.407		mg/Kg		61	44 - 102
Pyridine	1.33	0.821		mg/Kg		62	25 - 109
2,4,5-Trichlorophenol	0.667	0.446		mg/Kg		67	47 - 108
2,4,6-Trichlorophenol	0.667	0.440		mg/Kg		66	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*35 - 105*
2-Fluorophenol (Surr)	*66*		*32 - 105*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*
Phenol-d5 (Surr)	*66*		*34 - 105*
Terphenyl-d14 (Surr)	*66*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*

Lab Sample ID: 180-132252-3 MS
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A53C
Prep Type: Total/NA
Prep Batch: 385114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.694	0.395		mg/Kg	☼	57	41 - 100
Acenaphthylene	0.0021	J	0.694	0.400		mg/Kg	☼	57	45 - 100
Anthracene	ND		0.694	0.429		mg/Kg	☼	62	47 - 100
Benzo[a]anthracene	ND		0.694	0.442		mg/Kg	☼	64	47 - 100
Benzo[a]pyrene	ND		0.694	0.437		mg/Kg	☼	63	45 - 101
Benzo[b]fluoranthene	0.0050	J	0.694	0.426		mg/Kg	☼	61	44 - 100
Benzo[g,h,i]perylene	0.0036	J	0.694	0.454		mg/Kg	☼	65	45 - 103
Benzo[k]fluoranthene	ND		0.694	0.396		mg/Kg	☼	57	43 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132252-3 MS
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A53C
Prep Type: Total/NA
Prep Batch: 385114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	ND		0.694	0.430		mg/Kg	☼	62	44 - 100
Dibenz(a,h)anthracene	ND		0.694	0.462		mg/Kg	☼	67	46 - 107
Dibenzofuran	ND		0.694	0.397		mg/Kg	☼	57	47 - 100
2,4-Dinitrotoluene	ND		0.694	0.444		mg/Kg	☼	64	48 - 106
1,4-Dioxane	ND		0.694	0.396		mg/Kg	☼	57	10 - 133
Fluoranthene	0.0030	J	0.694	0.436		mg/Kg	☼	62	49 - 102
Fluorene	ND		0.694	0.410		mg/Kg	☼	59	46 - 100
Hexachlorobenzene	ND		0.694	0.433		mg/Kg	☼	62	45 - 101
Hexachlorobutadiene	ND		0.694	0.387		mg/Kg	☼	56	38 - 110
Hexachloroethane	ND		0.694	0.341		mg/Kg	☼	49	40 - 100
Indeno[1,2,3-cd]pyrene	ND		0.694	0.471		mg/Kg	☼	68	48 - 104
2-Methylphenol	ND		0.694	0.360		mg/Kg	☼	52	43 - 101
Methylphenol, 3 & 4	ND		0.694	0.361		mg/Kg	☼	52	43 - 104
Naphthalene	ND		0.694	0.377		mg/Kg	☼	54	43 - 100
Nitrobenzene	ND		0.694	0.376		mg/Kg	☼	54	43 - 107
Pentachlorophenol	ND		1.39	0.801		mg/Kg	☼	58	34 - 112
Phenanthrene	ND		0.694	0.423		mg/Kg	☼	61	46 - 100
Phenol	ND		0.694	0.363		mg/Kg	☼	52	42 - 103
Pyrene	0.0042	J	0.694	0.436		mg/Kg	☼	62	44 - 102
Pyridine	ND		1.39	0.726		mg/Kg	☼	52	25 - 109
2,4,5-Trichlorophenol	ND		0.694	0.433		mg/Kg	☼	62	47 - 108
2,4,6-Trichlorophenol	ND		0.694	0.420		mg/Kg	☼	60	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*35 - 105*
2-Fluorophenol (Surr)	*60*		*32 - 105*
Nitrobenzene-d5 (Surr)	*60*		*34 - 109*
Phenol-d5 (Surr)	*56*		*34 - 105*
Terphenyl-d14 (Surr)	*67*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*

Lab Sample ID: 180-132252-3 MSD
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A53C
Prep Type: Total/NA
Prep Batch: 385114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.695	0.394		mg/Kg	☼	57	41 - 100	0	22
Acenaphthylene	0.0021	J	0.695	0.417		mg/Kg	☼	60	45 - 100	4	23
Anthracene	ND		0.695	0.438		mg/Kg	☼	63	47 - 100	2	26
Benzo[a]anthracene	ND		0.695	0.431		mg/Kg	☼	62	47 - 100	3	24
Benzo[a]pyrene	ND		0.695	0.448		mg/Kg	☼	64	45 - 101	2	21
Benzo[b]fluoranthene	0.0050	J	0.695	0.436		mg/Kg	☼	62	44 - 100	2	26
Benzo[g,h,i]perylene	0.0036	J	0.695	0.440		mg/Kg	☼	63	45 - 103	3	22
Benzo[k]fluoranthene	ND		0.695	0.386		mg/Kg	☼	56	43 - 100	3	18
Chrysene	ND		0.695	0.428		mg/Kg	☼	62	44 - 100	0	26
Dibenz(a,h)anthracene	ND		0.695	0.445		mg/Kg	☼	64	46 - 107	4	24
Dibenzofuran	ND		0.695	0.408		mg/Kg	☼	59	47 - 100	3	19
2,4-Dinitrotoluene	ND		0.695	0.449		mg/Kg	☼	65	48 - 106	1	20

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132252-3 MSD
Matrix: Solid
Analysis Batch: 385322

Client Sample ID: SSHS-IRM5A2-A2-A53C
Prep Type: Total/NA
Prep Batch: 385114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND		0.695	0.403		mg/Kg	☼	58	10 - 133	2	40
Fluoranthene	0.0030	J	0.695	0.442		mg/Kg	☼	63	49 - 102	1	26
Fluorene	ND		0.695	0.409		mg/Kg	☼	59	46 - 100	0	22
Hexachlorobenzene	ND		0.695	0.430		mg/Kg	☼	62	45 - 101	1	27
Hexachlorobutadiene	ND		0.695	0.392		mg/Kg	☼	56	38 - 110	1	27
Hexachloroethane	ND		0.695	0.359		mg/Kg	☼	52	40 - 100	5	27
Indeno[1,2,3-cd]pyrene	ND		0.695	0.457		mg/Kg	☼	66	48 - 104	3	22
2-Methylphenol	ND		0.695	0.364		mg/Kg	☼	52	43 - 101	1	27
Methylphenol, 3 & 4	ND		0.695	0.364		mg/Kg	☼	52	43 - 104	1	24
Naphthalene	ND		0.695	0.380		mg/Kg	☼	55	43 - 100	1	28
Nitrobenzene	ND		0.695	0.394		mg/Kg	☼	57	43 - 107	5	28
Pentachlorophenol	ND		1.39	0.825		mg/Kg	☼	59	34 - 112	3	28
Phenanthrene	ND		0.695	0.425		mg/Kg	☼	61	46 - 100	0	27
Phenol	ND		0.695	0.363		mg/Kg	☼	52	42 - 103	0	30
Pyrene	0.0042	J	0.695	0.430		mg/Kg	☼	61	44 - 102	1	27
Pyridine	ND		1.39	0.756		mg/Kg	☼	54	25 - 109	4	31
2,4,5-Trichlorophenol	ND		0.695	0.433		mg/Kg	☼	62	47 - 108	0	19
2,4,6-Trichlorophenol	ND		0.695	0.423		mg/Kg	☼	61	47 - 108	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*35 - 105*
2-Fluorophenol (Surr)	*60*		*32 - 105*
Nitrobenzene-d5 (Surr)	*62*		*34 - 109*
Phenol-d5 (Surr)	*58*		*34 - 105*
Terphenyl-d14 (Surr)	*66*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-385115/1-C
Matrix: Solid
Analysis Batch: 385242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1262	ND		0.017	0.0059	mg/Kg		01/14/22 11:45	01/15/22 14:05	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/14/22 11:45	01/15/22 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*01/14/22 11:45*	*01/15/22 14:05*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*01/14/22 11:45*	*01/15/22 14:05*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*01/14/22 11:45*	*01/15/22 14:05*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-385115/1-C
Matrix: Solid
Analysis Batch: 385242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385115

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	82		55 - 135	01/14/22 11:45	01/15/22 14:05	1

Lab Sample ID: LCS 180-385115/2-C
Matrix: Solid
Analysis Batch: 385242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385115

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	0.949		mg/Kg		71	43 - 136		
PCB-1260			1.33	1.02		mg/Kg		76	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	89		63 - 138
DCB Decachlorobiphenyl (Surr)	88		63 - 138
Tetrachloro-m-xylene (Surr)	89		55 - 135
Tetrachloro-m-xylene (Surr)	79		55 - 135

Lab Sample ID: 180-132252-3 MS
Matrix: Solid
Analysis Batch: 385242

Client Sample ID: SSHS-IRM5A2-A2-A53C
Prep Type: Total/NA
Prep Batch: 385115

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.40	1.10		mg/Kg	☼	78	43 - 136		
PCB-1260	ND		1.40	1.18		mg/Kg	☼	85	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	100		63 - 138
DCB Decachlorobiphenyl (Surr)	98		63 - 138
Tetrachloro-m-xylene (Surr)	94		55 - 135
Tetrachloro-m-xylene (Surr)	85		55 - 135

Lab Sample ID: 180-132252-3 MSD
Matrix: Solid
Analysis Batch: 385242

Client Sample ID: SSHS-IRM5A2-A2-A53C
Prep Type: Total/NA
Prep Batch: 385115

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.40	1.15		mg/Kg	☼	82	43 - 136	5	40
PCB-1260	ND		1.40	1.22		mg/Kg	☼	87	55 - 128	3	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	99		63 - 138
DCB Decachlorobiphenyl (Surr)	98		63 - 138
Tetrachloro-m-xylene (Surr)	97		55 - 135
Tetrachloro-m-xylene (Surr)	87		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-385105/1-A
Matrix: Solid
Analysis Batch: 385334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Barium	ND		20	3.6	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Beryllium	ND		0.40	0.11	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Cadmium	ND		0.50	0.073	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Chromium	ND		0.50	0.46	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Copper	ND		2.5	1.5	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Lead	ND		1.0	0.87	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Manganese	ND		1.5	0.28	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Nickel	ND		4.0	0.50	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Selenium	ND		1.0	0.46	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Silver	ND		0.50	0.10	mg/Kg		01/13/22 15:41	01/14/22 14:04	1
Zinc	ND		2.0	1.2	mg/Kg		01/13/22 15:41	01/14/22 14:04	1

Lab Sample ID: LCS 180-385105/2-A
Matrix: Solid
Analysis Batch: 385334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		mg/Kg		101	80 - 120
Barium	100	96.3		mg/Kg		96	80 - 120
Beryllium	50.0	49.6		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.5		mg/Kg		99	80 - 120
Lead	50.0	47.1		mg/Kg		94	80 - 120
Manganese	50.0	48.7		mg/Kg		97	80 - 120
Nickel	50.0	48.0		mg/Kg		96	80 - 120
Selenium	100	96.6		mg/Kg		97	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120
Zinc	25.0	24.1		mg/Kg		96	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-385101/1-A
Matrix: Solid
Analysis Batch: 385198

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/13/22 15:05	01/14/22 12:43	1

Lab Sample ID: LCS 180-385101/2-A
Matrix: Solid
Analysis Batch: 385198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.418		mg/Kg		100	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-385405/1-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385405

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/18/22 09:23	01/19/22 15:47	1

Lab Sample ID: LCSI 180-385405/3-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	640		mg/Kg		90	80 - 120

Lab Sample ID: LCSS 180-385405/2-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	15.9		mg/Kg		80	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-385408/4-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/18/22 12:30	01/18/22 17:55	1

Lab Sample ID: HLCS 180-385408/2-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385408

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.259		mg/Kg		103	90 - 110

Lab Sample ID: LCS 180-385408/3-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.9		mg/Kg		86	17 - 163

Lab Sample ID: LLCS 180-385408/1-A
Matrix: Solid
Analysis Batch: 385612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385408

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0486		mg/Kg		97	90 - 110

GC/MS VOA

Analysis Batch: 385370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-7	SSHS-IRM5A2-A2-A55A	Total/NA	Solid	EPA 8260C	385375
MB 180-385370/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385370/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-385370/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 385375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-7	SSHS-IRM5A2-A2-A55A	Total/NA	Solid	5035	

Analysis Batch: 385504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-2	SSHS-IRM5A2-A2-A53B	Total/NA	Solid	EPA 8260C	385508
180-132252-4	SSHS-IRM5A2-A2-A54A	Total/NA	Solid	EPA 8260C	385508
180-132252-5	SSHS-IRM5A2-A2-A54B	Total/NA	Solid	EPA 8260C	385508
180-132252-8	SSHS-IRM5A2-A2-A55B	Total/NA	Solid	EPA 8260C	385508
MB 180-385504/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385504/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 385508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-2	SSHS-IRM5A2-A2-A53B	Total/NA	Solid	5035	
180-132252-4	SSHS-IRM5A2-A2-A54A	Total/NA	Solid	5035	
180-132252-5	SSHS-IRM5A2-A2-A54B	Total/NA	Solid	5035	
180-132252-8	SSHS-IRM5A2-A2-A55B	Total/NA	Solid	5035	

Analysis Batch: 385643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-1	SSHS-IRM5A2-A2-A53A	Total/NA	Solid	EPA 8260C	385652
MB 180-385643/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385643/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 385652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-1	SSHS-IRM5A2-A2-A53A	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 385114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3541	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	3541	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	3541	
MB 180-385114/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-385114/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-132252-3 MS	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3541	
180-132252-3 MSD	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3541	

Analysis Batch: 385322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 8270D LL	385114
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	EPA 8270D LL	385114

GC/MS Semi VOA (Continued)

Analysis Batch: 385322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	EPA 8270D LL	385114
MB 180-385114/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	385114
180-132252-3 MS	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 8270D LL	385114
180-132252-3 MSD	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 8270D LL	385114

Analysis Batch: 385489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-385114/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	385114

GC Semi VOA

Prep Batch: 385115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3541	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	3541	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	3541	
MB 180-385115/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-385115/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-132252-3 MS	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3541	
180-132252-3 MSD	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3541	

Analysis Batch: 385242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 8082A	385244
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	EPA 8082A	385244
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	EPA 8082A	385244
MB 180-385115/1-C	Method Blank	Total/NA	Solid	EPA 8082A	385244
LCS 180-385115/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	385244
180-132252-3 MS	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 8082A	385244
180-132252-3 MSD	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 8082A	385244

Cleanup Batch: 385243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3665A	385115
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	3665A	385115
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	3665A	385115
MB 180-385115/1-C	Method Blank	Total/NA	Solid	3665A	385115
LCS 180-385115/2-C	Lab Control Sample	Total/NA	Solid	3665A	385115
180-132252-3 MS	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3665A	385115
180-132252-3 MSD	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3665A	385115

Cleanup Batch: 385244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3660B	385243
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	3660B	385243
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	3660B	385243
MB 180-385115/1-C	Method Blank	Total/NA	Solid	3660B	385243
LCS 180-385115/2-C	Lab Control Sample	Total/NA	Solid	3660B	385243
180-132252-3 MS	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3660B	385243
180-132252-3 MSD	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3660B	385243

Metals

Prep Batch: 385101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	7471B	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	7471B	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	7471B	
MB 180-385101/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-385101/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 385105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3050B	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	3050B	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	3050B	
MB 180-385105/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-385105/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 385198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 7471B	385101
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	EPA 7471B	385101
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	EPA 7471B	385101
MB 180-385101/1-A	Method Blank	Total/NA	Solid	EPA 7471B	385101
LCS 180-385101/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	385101

Analysis Batch: 385334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 6010C	385105
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	EPA 6010C	385105
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	EPA 6010C	385105
MB 180-385105/1-A	Method Blank	Total/NA	Solid	EPA 6010C	385105
LCS 180-385105/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	385105

General Chemistry

Analysis Batch: 385214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-1	SSHS-IRM5A2-A2-A53A	Total/NA	Solid	2540G	
180-132252-2	SSHS-IRM5A2-A2-A53B	Total/NA	Solid	2540G	
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	2540G	
180-132252-4	SSHS-IRM5A2-A2-A54A	Total/NA	Solid	2540G	
180-132252-5	SSHS-IRM5A2-A2-A54B	Total/NA	Solid	2540G	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	2540G	
180-132252-7	SSHS-IRM5A2-A2-A55A	Total/NA	Solid	2540G	
180-132252-8	SSHS-IRM5A2-A2-A55B	Total/NA	Solid	2540G	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	2540G	

Prep Batch: 385405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	3060A	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	3060A	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	3060A	
MB 180-385405/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-385405/3-A	Lab Control Sample	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 385405 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSS 180-385405/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 385408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	9010C	
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	9010C	
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	9010C	
MB 180-385408/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-385408/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-385408/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-385408/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 385612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 9014	385408
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	EPA 9014	385408
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	EPA 9014	385408
MB 180-385408/4-A	Method Blank	Total/NA	Solid	EPA 9014	385408
HLCS 180-385408/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385408
LCS 180-385408/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385408
LLCS 180-385408/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385408

Analysis Batch: 385624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132252-3	SSHS-IRM5A2-A2-A53C	Total/NA	Solid	EPA 7196A	385405
180-132252-6	SSHS-IRM5A2-A2-A54C	Total/NA	Solid	EPA 7196A	385405
180-132252-9	SSHS-IRM5A2-A2-A55C	Total/NA	Solid	EPA 7196A	385405
MB 180-385405/1-A	Method Blank	Total/NA	Solid	EPA 7196A	385405
LCSI 180-385405/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385405
LCSS 180-385405/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385405

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

180-132252 Chain of Custody

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.			Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:		
City: Columbia	TAT Requested (days): 5 day		
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A53A	1/12/22	1400	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A53B	1/12/22	1405	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A53C	1/12/22	1410	C	S	N	N		X	X	X	X	X	X	X					5	Directed NOT received
SSHS-IRM5A2-A2-A54A	1/12/22	1430	G	S	N	N	X													
SSHS-IRM5A2-A2-A54B	1/12/22	1435	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A54C	1/12/22	1440	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A55A	1/12/22	1500	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A55B	1/12/22	1505	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A55C	1/12/22	1510	C	S	N	N		X	X	X	X	X	X	X					5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				1/13/22 1015	EA Pit
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

1/20/2022

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

* = terracore rec. 1/14/22 due to FEDEX delay
D. Dunlap 1/15/22

180-132252 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A53A *	1/12/22	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A53B	1/12/22	1405	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A53C	1/12/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A54A *	1/12/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54B	1/12/22	1435	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54C	1/12/22	1440	C	S	N	N		X	X	X	X	X	X	X	5	Some terracore
SSHS-IRM5A2-A2-A55A *	1/12/22	1500	G	S	N	N	X								4	Recd today
SSHS-IRM5A2-A2-A55B	1/12/22	1505	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A55C	1/12/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ak Waheed	12/Jan/2022 1800	Geosyntec		1/14/22 930	Eurofins Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-132252 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A53A	1/12/22	1400	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A53B	1/12/22	1405	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A53C	1/12/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A54A	1/12/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54B	1/12/22	1435	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A54C	1/12/22	1440	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A55A	1/12/22	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A55B	1/12/22	1505	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A55C	1/12/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		12/[illegible]/22 [illegible]			1/13/22	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 166816 | Cooler Temperature(s) °C and Other Remarks: 1.8 c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-132252 Field Sheet

Job: _____

Tracking # : 7756 9054 7167

SO / FO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-01 Corr. Factor: (+ / -) _____ °C

Ice: Wet Gel Other _____

Cooler Custody Seal: 12 9616

Cooler ID: —

Temp Observed: 1.2 °C Corrected: 1.8 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DW Date: 1/12/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 1-13-22

Notes:

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 1-13-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132252-1

Login Number: 132252
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132316-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/21/2022 1:57:11 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-132316-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132316-2

Receipt
The samples were received on 1/14/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.5º C, 2.2º C, 2.4º C, 3.3º C and 3.4º C.

LCMS
Method 537 (modified): The transition mass ratio for N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) was outside of the established ratio limit in the ICB (ICB 320-557988/9) associated to this data set. This is represented by the R flag in the raw data. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132316-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132316-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21 *
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132316-3	SSHS-IRM5A2-A2-A56C	Solid	01/13/22 16:10	01/14/22 07:06
180-132316-6	SSHS-IRM5A2-A2-A57C	Solid	01/13/22 16:00	01/14/22 07:06
180-132316-9	SSHS-IRM5A2-A2-A58C	Solid	01/13/22 16:10	01/14/22 07:06

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-2

Client Sample ID: SSHS-IRM5A2-A2-A56C

Lab Sample ID: 180-132316-3
Date Collected: 01/13/22 16:10
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.42 g	10.0 mL	558391	01/16/22 19:43	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			558498	01/17/22 12:38	K1S	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A57C

Lab Sample ID: 180-132316-6
Date Collected: 01/13/22 16:00
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.41 g	10.0 mL	558391	01/16/22 19:43	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			558498	01/17/22 12:49	K1S	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A58C

Lab Sample ID: 180-132316-9
Date Collected: 01/13/22 16:10
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	558391	01/16/22 19:43	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			558498	01/17/22 12:59	K1S	TAL SAC
	Instrument ID: A9									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client Sample ID: SSHS-IRM5A2-A2-A56C
Lab Sample ID: 180-132316-3

Date Collected: 01/13/22 16:10
Matrix: Solid

Date Received: 01/14/22 07:06
Percent Solids: 95.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	01/16/22 19:43	01/17/22 12:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*63*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C5 PFPeA	*71*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C2 PFHxA	*78*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C4 PFOA	*93*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C5 PFNA	*90*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C2 PFDA	*93*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C2 PFUnA	*84*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C2 PFDoA	*92*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C3 PFBS	*61*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
18O2 PFHxS	*90*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C4 PFOS	*92*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
13C8 FOSA	*87*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
M2-6:2 FTS	*123*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:38*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-2

Client Sample ID: SSHS-IRM5A2-A2-A57C
Date Collected: 01/13/22 16:00
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-6
Matrix: Solid
Percent Solids: 95.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.045	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.047	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.048	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.047	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	01/16/22 19:43	01/17/22 12:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*58*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C5 PFPeA	*64*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C2 PFHxA	*75*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C4 PFHpA	*93*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C4 PFOA	*88*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C5 PFNA	*82*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C2 PFDA	*83*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C2 PFUnA	*77*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C2 PFDoA	*74*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C3 PFBS	*56*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
18O2 PFHxS	*77*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C4 PFOS	*80*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
13C8 FOSA	*74*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:49*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-2

Client Sample ID: SSHS-IRM5A2-A2-A58C
Date Collected: 01/13/22 16:10
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-9
Matrix: Solid
Percent Solids: 93.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	01/16/22 19:43	01/17/22 12:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C5 PFPeA	*63*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C2 PFHxA	*72*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C4 PFHpA	*86*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C4 PFOA	*85*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C5 PFNA	*82*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C2 PFDA	*76*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C2 PFUnA	*73*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C2 PFDoA	*78*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C3 PFBS	*53*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
18O2 PFHxS	*75*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C4 PFOS	*77*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
13C8 FOSA	*73*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:59*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-558391/1-A
Matrix: Solid
Analysis Batch: 558498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/16/22 19:43	01/17/22 12:18	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/16/22 19:43	01/17/22 12:18	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*55*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C5 PFPeA	*55*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C2 PFHxA	*57*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C4 PFHpA	*76*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C4 PFOA	*81*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C5 PFNA	*79*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C2 PFDA	*80*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C2 PFUnA	*68*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C2 PFDoA	*68*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C2 PFTeDA	*56*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C3 PFBS	*51*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
18O2 PFHxS	*72*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C4 PFOS	*76*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
13C8 FOSA	*69*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*01/16/22 19:43*	*01/17/22 12:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-558391/2-A
Matrix: Solid
Analysis Batch: 559338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.84		ug/Kg		92	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.79		ug/Kg		90	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.81		ug/Kg		90	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.86		ug/Kg		93	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.89		ug/Kg		94	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.72		ug/Kg		86	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.99		ug/Kg		100	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.88		ug/Kg		94	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.63		ug/Kg		81	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.78		ug/Kg		89	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.54		ug/Kg		87	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.62		ug/Kg		89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.72		ug/Kg		90	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.66		ug/Kg		89	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.51		ug/Kg		79	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.83		ug/Kg		91	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.87		ug/Kg		94	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.93		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.98		ug/Kg		105	73 - 139
8:2 FTS	1.92	1.87		ug/Kg		97	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*64*		*25 - 150*
13C5 PFPeA	*77*		*25 - 150*
13C2 PFHxA	*62*		*25 - 150*
13C4 PFHpA	*67*		*25 - 150*
13C4 PFOA	*85*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*82*		*25 - 150*
13C2 PFUnA	*80*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*71*		*25 - 150*
13C3 PFBS	*66*		*25 - 150*
18O2 PFHxS	*77*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*82*		*25 - 150*
d3-NMeFOSAA	*85*		*25 - 150*
d5-NEtFOSAA	*84*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-558391/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 559338 **Prep Batch: 558391**

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*90*		*25 - 150*
M2-8:2 FTS	*79*		*25 - 150*

Lab Sample ID: 180-132316-9 MS **Client Sample ID: SSHS-IRM5A2-A2-A58C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 558498 **Prep Batch: 558391**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		2.04	1.87		ug/Kg	☼	92	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.04	1.92		ug/Kg	☼	94	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.04	1.87		ug/Kg	☼	92	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.04	1.81		ug/Kg	☼	89	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.04	1.83		ug/Kg	☼	90	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.04	1.75		ug/Kg	☼	86	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.04	1.87		ug/Kg	☼	92	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.04	1.97		ug/Kg	☼	97	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.04	1.85		ug/Kg	☼	91	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.04	1.81		ug/Kg	☼	89	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.04	2.10		ug/Kg	☼	103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.80	1.71		ug/Kg	☼	95	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.86	1.62		ug/Kg	☼	87	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.94	1.99		ug/Kg	☼	103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.89	1.78		ug/Kg	☼	94	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.97	1.54		ug/Kg	☼	78	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.04	2.06		ug/Kg	☼	101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.04	1.89		ug/Kg	☼	93	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.04	2.00		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		1.93	1.84		ug/Kg	☼	95	73 - 139
8:2 FTS	ND		1.95	1.79		ug/Kg	☼	92	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*62*		*25 - 150*
13C5 PFPeA	*70*		*25 - 150*
13C2 PFHxA	*77*		*25 - 150*
13C4 PFHpA	*93*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*87*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132316-9 MS **Client Sample ID: SSHS-IRM5A2-A2-A58C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 558498 **Prep Batch: 558391**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	80		25 - 150
13C3 PFBS	57		25 - 150
18O2 PFHxS	83		25 - 150
13C4 PFOS	81		25 - 150
13C8 FOSA	81		25 - 150
d3-NMeFOSAA	93		25 - 150
d5-NEtFOSAA	91		25 - 150
M2-6:2 FTS	110		25 - 150
M2-8:2 FTS	101		25 - 150

Lab Sample ID: 180-132316-9 MSD **Client Sample ID: SSHS-IRM5A2-A2-A58C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 558498 **Prep Batch: 558391**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.03	1.72		ug/Kg	☼	84	76 - 136	9	30
Perfluoropentanoic acid (PFPeA)	ND		2.03	1.81		ug/Kg	☼	89	69 - 129	6	30
Perfluorohexanoic acid (PFHxA)	ND		2.03	1.96		ug/Kg	☼	97	71 - 131	5	30
Perfluoroheptanoic acid (PFHpA)	ND		2.03	1.77		ug/Kg	☼	87	71 - 131	3	30
Perfluorooctanoic acid (PFOA)	ND		2.03	1.84		ug/Kg	☼	91	72 - 132	1	30
Perfluorononanoic acid (PFNA)	ND		2.03	1.68		ug/Kg	☼	83	73 - 133	4	30
Perfluorodecanoic acid (PFDA)	ND		2.03	1.72		ug/Kg	☼	85	72 - 132	8	30
Perfluoroundecanoic acid (PFUnA)	ND		2.03	1.88		ug/Kg	☼	92	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.03	1.90		ug/Kg	☼	93	71 - 131	2	30
Perfluorotridecanoic acid (PFTriA)	ND		2.03	1.87		ug/Kg	☼	92	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.03	1.93		ug/Kg	☼	95	67 - 127	8	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.80	1.65		ug/Kg	☼	92	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.85	1.53		ug/Kg	☼	83	62 - 122	6	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.93	1.79		ug/Kg	☼	92	76 - 136	11	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.88	1.70		ug/Kg	☼	90	68 - 141	5	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.96	1.54		ug/Kg	☼	79	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)	ND		2.03	2.06		ug/Kg	☼	101	77 - 137	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.03	2.08		ug/Kg	☼	103	72 - 132	10	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.03	1.90		ug/Kg	☼	94	72 - 132	5	30
6:2 FTS	ND		1.93	1.71		ug/Kg	☼	89	73 - 139	7	30
8:2 FTS	ND		1.95	1.52		ug/Kg	☼	78	75 - 135	16	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	61		25 - 150
13C5 PFPeA	68		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132316-9 MSD
Matrix: Solid
Analysis Batch: 558498

Client Sample ID: SSHS-IRM5A2-A2-A58C
Prep Type: Total/NA
Prep Batch: 558391

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	69		25 - 150
13C4 PFHpA	87		25 - 150
13C4 PFOA	84		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	90		25 - 150
13C2 PFUnA	77		25 - 150
13C2 PFDoA	83		25 - 150
13C2 PFTeDA	77		25 - 150
13C3 PFBS	53		25 - 150
18O2 PFHxS	80		25 - 150
13C4 PFOS	80		25 - 150
13C8 FOSA	77		25 - 150
d3-NMeFOSAA	80		25 - 150
d5-NEtFOSAA	91		25 - 150
M2-6:2 FTS	106		25 - 150
M2-8:2 FTS	108		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-2

LCMS

Prep Batch: 558391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	SHAKE	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	SHAKE	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	SHAKE	
MB 320-558391/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-558391/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-132316-9 MS	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	SHAKE	
180-132316-9 MSD	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	SHAKE	

Analysis Batch: 558498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	537 (modified)	558391
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	537 (modified)	558391
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	537 (modified)	558391
MB 320-558391/1-A	Method Blank	Total/NA	Solid	537 (modified)	558391
180-132316-9 MS	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	537 (modified)	558391
180-132316-9 MSD	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	537 (modified)	558391

Analysis Batch: 559338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-558391/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	558391

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7198A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A56A	1/13/22	1600	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A56B	1/13/22	1605	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A56C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A57A	1/13/22	1601	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A57B	1/13/22	1602	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A57C	1/13/22	1600	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A58A	1/13/22	1611	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A58B	1/13/22	1612	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A58C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X	5	

180-132316 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Month

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Colin	1/13/21			1/14/22 930	EETA PH
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-132316 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A56A	1/13/22	1600	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A56B	1/13/22	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A56C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A57A	1/13/22	1601	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A57B	1/13/22	1602	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A57C	1/13/22	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A58A	1/13/22	1611	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A58B	1/13/22	1612	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A58C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Colin Lamas	Date/Time: 1/13/21	Company	Received by:	Date/Time: 1-14-22 1000	Company: EETSac		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1688827		Cooler Temperature(s) °C and Other Remarks: 1.5°C				

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-132316 Field Sheet

Job: _____

Tracking # : 7756 9060 6511

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 606 Corr. Factor: (+ / -) N/A °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 16888827

Cooler ID: —

Temp Observed: 1.5 °C Corrected: 1.5 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 1-14-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 1-14-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 1-14-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132316-2

Login Number: 132316
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132316-2

Login Number: 132316
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 01/14/22 04:29 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688827
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132316-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/24/2022 2:00:59 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-132316-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132316-1

Receipt
The samples were received on 1/14/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.5º C, 2.2º C, 2.4º C, 3.3º C and 3.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-385893 was above criteria for the following analyte: Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A56C (180-132316-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 9014: The Pyridine Barbituric Acid reagent (4600927) expiration date on the raw data is incorrectly entered as 5/21/2021. The correct expiration date as entered into the LIMS reagent module is 5/21/2022.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132316-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132316-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132316-1	SSHS-IRM5A2-A2-A56A	Solid	01/13/22 16:00	01/14/22 07:06
180-132316-2	SSHS-IRM5A2-A2-A56B	Solid	01/13/22 16:05	01/14/22 07:06
180-132316-3	SSHS-IRM5A2-A2-A56C	Solid	01/13/22 16:10	01/14/22 07:06
180-132316-4	SSHS-IRM5A2-A2-A57A	Solid	01/13/22 16:01	01/14/22 07:06
180-132316-5	SSHS-IRM5A2-A2-A57B	Solid	01/13/22 16:02	01/14/22 07:06
180-132316-6	SSHS-IRM5A2-A2-A57C	Solid	01/13/22 16:00	01/14/22 07:06
180-132316-7	SSHS-IRM5A2-A2-A58A	Solid	01/13/22 16:11	01/14/22 07:06
180-132316-8	SSHS-IRM5A2-A2-A58B	Solid	01/13/22 16:12	01/14/22 07:06
180-132316-9	SSHS-IRM5A2-A2-A58C	Solid	01/13/22 16:10	01/14/22 07:06

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Client Sample ID: SSHS-IRM5A2-A2-A56A
Lab Sample ID: 180-132316-1
Date Collected: 01/13/22 16:00
Matrix: Solid
Date Received: 01/14/22 07:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385570	01/19/22 11:11	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A56A
Lab Sample ID: 180-132316-1
Date Collected: 01/13/22 16:00
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0586 g	5 mL	385763	01/21/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385761	01/21/22 12:55	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A56B
Lab Sample ID: 180-132316-2
Date Collected: 01/13/22 16:05
Matrix: Solid
Date Received: 01/14/22 07:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385570	01/19/22 11:11	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A56B
Lab Sample ID: 180-132316-2
Date Collected: 01/13/22 16:05
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9045 g	5 mL	385763	01/21/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385761	01/21/22 13:17	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A56C
Lab Sample ID: 180-132316-3
Date Collected: 01/13/22 16:10
Matrix: Solid
Date Received: 01/14/22 07:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385615	01/19/22 14:06	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A56C
Lab Sample ID: 180-132316-3
Date Collected: 01/13/22 16:10
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.24 g	0.5 mL	385433	01/18/22 11:01	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	385541	01/19/22 12:00	VVP	TAL PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Client Sample ID: SSHS-IRM5A2-A2-A56C

Lab Sample ID: 180-132316-3
Date Collected: 01/13/22 16:10
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.26 g	20.0 mL	385218	01/14/22 14:57	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385298	01/17/22 02:31	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385299	01/17/22 02:33	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385309	01/17/22 11:59	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.77 g	100 mL	385212	01/14/22 14:27	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385369	01/17/22 18:48	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.72 g	100 mL	385402	01/18/22 09:07	MM1	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385530	01/19/22 07:47	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.45 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:20	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:23	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A57A

Lab Sample ID: 180-132316-4
Date Collected: 01/13/22 16:01
Matrix: Solid
Date Received: 01/14/22 07:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385570	01/19/22 11:11	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A57A

Lab Sample ID: 180-132316-4
Date Collected: 01/13/22 16:01
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1337 g	5 mL	385901	01/22/22 09:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385893	01/22/22 13:37	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A57B

Lab Sample ID: 180-132316-5
Date Collected: 01/13/22 16:02
Matrix: Solid
Date Received: 01/14/22 07:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385570	01/19/22 11:11	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Client Sample ID: SSHS-IRM5A2-A2-A57B
Date Collected: 01/13/22 16:02
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-5
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0022 g	5 mL	385901	01/22/22 09:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385893	01/22/22 14:01	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A57C
Date Collected: 01/13/22 16:00
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385229	01/14/22 15:48	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A57C
Date Collected: 01/13/22 16:00
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-6
Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.08 g	0.5 mL	385433	01/18/22 11:01	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385541	01/19/22 12:21	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.43 g	20.0 mL	385218	01/14/22 14:57	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385298	01/17/22 02:31	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385299	01/17/22 02:33	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385309	01/17/22 12:18	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.63 g	100 mL	385212	01/14/22 14:27	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385369	01/17/22 18:52	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	385402	01/18/22 09:07	MM1	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385530	01/19/22 07:48	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:21	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:25	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A58A
Date Collected: 01/13/22 16:11
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385570	01/19/22 11:11	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Client Sample ID: SSHS-IRM5A2-A2-A58A
Date Collected: 01/13/22 16:11
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-7
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1851 g	5 mL	385901	01/22/22 09:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385893	01/22/22 14:23	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A58B
Date Collected: 01/13/22 16:12
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385570	01/19/22 11:11	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A58B
Date Collected: 01/13/22 16:12
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-8
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0924 g	5 mL	385763	01/21/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385761	01/21/22 14:50	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A58C
Date Collected: 01/13/22 16:10
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385229	01/14/22 15:48	CMT	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A58C
Date Collected: 01/13/22 16:10
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-9
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.10 g	0.5 mL	385433	01/18/22 11:01	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385541	01/19/22 12:43	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.45 g	20.0 mL	385218	01/14/22 14:57	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385298	01/17/22 02:31	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385299	01/17/22 02:33	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385309	01/17/22 12:37	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.80 g	100 mL	385212	01/14/22 14:27	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			385369	01/17/22 18:57	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Client Sample ID: SSHS-IRM5A2-A2-A58C
Date Collected: 01/13/22 16:10
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-9
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.70 g	100 mL	385402	01/18/22 09:07	MM1	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385530	01/19/22 07:49	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	385405	01/18/22 09:23	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385624	01/19/22 16:23	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:27	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- CMR = Carl Reagle
- CSC = Chayce Cockroft
- KFS = Kelly Shannon
- KLG = Kathy Gordon
- MM1 = Mary Beth Miller
- PMH = Paloma Hoelzle

Batch Type: Analysis
- CMR = Carl Reagle
- CMT = Cassandra Tlumac
- HEK = Hope Kiesling
- JMO = John Oravec
- KLG = Kathy Gordon
- NAF = Nicholas Frankos
- PMH = Paloma Hoelzle
- RJG = Rob Good
- RJR = Ron Rosenbaum
- VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A56A — Lab Sample ID: 180-132316-1

Date Collected: 01/13/22 16:00 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 89.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	01/21/22 05:45	01/21/22 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/21/22 05:45*	*01/21/22 12:55*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*01/21/22 05:45*	*01/21/22 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*01/21/22 05:45*	*01/21/22 12:55*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*01/21/22 05:45*	*01/21/22 12:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.8**		0.1	0.1	%			01/19/22 11:11	1
Percent Solids	**89.2**		0.1	0.1	%			01/19/22 11:11	1

Client Sample ID: SSHS-IRM5A2-A2-A56B — Lab Sample ID: 180-132316-2

Date Collected: 01/13/22 16:05 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 95.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1

Client Sample ID: SSHS-IRM5A2-A2-A56B — Lab Sample ID: 180-132316-2

Date Collected: 01/13/22 16:05 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 95.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	01/21/22 05:45	01/21/22 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/21/22 05:45*	*01/21/22 13:17*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*01/21/22 05:45*	*01/21/22 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*01/21/22 05:45*	*01/21/22 13:17*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*01/21/22 05:45*	*01/21/22 13:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.1**		0.1	0.1	%			01/19/22 11:11	1
Percent Solids	**95.9**		0.1	0.1	%			01/19/22 11:11	1

Client Sample ID: SSHS-IRM5A2-A2-A56C — Lab Sample ID: 180-132316-3

Date Collected: 01/13/22 16:10 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 95.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.025**		0.014	0.0040	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Acenaphthylene	**0.039**		0.014	0.0030	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Anthracene	**0.082**		0.014	0.0036	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Benzo[a]anthracene	**0.22**		0.014	0.0062	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2

Client Sample ID: SSHS-IRM5A2-A2-A56C **Lab Sample ID: 180-132316-3**
Date Collected: 01/13/22 16:10 **Matrix: Solid**
Date Received: 01/14/22 07:06 **Percent Solids: 95.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.19**		0.014	0.0060	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Benzo[b]fluoranthene	**0.25**		0.014	0.0034	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Benzo[g,h,i]perylene	**0.12**		0.014	0.0030	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Benzo[k]fluoranthene	**0.096**		0.014	0.0041	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Chrysene	**0.21**		0.014	0.0076	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Dibenz(a,h)anthracene	**0.038**		0.014	0.0088	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Dibenzofuran	ND		0.068	0.025	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
2,4-Dinitrotoluene	ND		0.068	0.041	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
1,4-Dioxane	ND		0.14	0.021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Fluoranthene	**0.33**		0.014	0.0036	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Fluorene	**0.026**		0.014	0.0027	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Hexachlorobenzene	ND		0.014	0.0049	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Hexachlorobutadiene	ND		0.014	0.0040	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Hexachloroethane	ND		0.068	0.024	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Indeno[1,2,3-cd]pyrene	**0.11**		0.014	0.0068	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
2-Methylphenol	ND		0.068	0.020	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Methylphenol, 3 & 4	ND		0.068	0.020	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Naphthalene	**0.014**		0.014	0.0027	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Nitrobenzene	ND		0.14	0.025	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Pentachlorophenol	ND		0.35	0.11	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Phenanthrene	**0.22**		0.014	0.0037	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Phenol	ND		0.068	0.021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Pyrene	**0.32**		0.014	0.0033	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
Pyridine	ND		0.14	0.037	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
2,4,5-Trichlorophenol	ND		0.068	0.024	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2
2,4,6-Trichlorophenol	ND		0.068	0.023	mg/Kg	☼	01/18/22 11:01	01/19/22 12:00	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*01/18/22 11:01*	*01/19/22 12:00*	*2*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*01/18/22 11:01*	*01/19/22 12:00*	*2*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*01/18/22 11:01*	*01/19/22 12:00*	*2*
Phenol-d5 (Surr)	*78*		*34 - 105*	*01/18/22 11:01*	*01/19/22 12:00*	*2*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*01/18/22 11:01*	*01/19/22 12:00*	*2*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*01/18/22 11:01*	*01/19/22 12:00*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1248	**0.094**		0.017	0.0041	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1254	**0.043**		0.017	0.0051	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1262	ND		0.017	0.0060	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 14:57	01/17/22 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*01/14/22 14:57*	*01/17/22 11:59*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*01/14/22 14:57*	*01/17/22 11:59*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A56C — Lab Sample ID: 180-132316-3

Date Collected: 01/13/22 16:10 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 95.4**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*01/14/22 14:57*	*01/17/22 11:59*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*01/14/22 14:57*	*01/17/22 11:59*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.5**		0.59	0.37	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Barium	**33**		12	2.1	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Beryllium	**0.17**	**J**	0.24	0.065	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Cadmium	**0.099**	**J**	0.30	0.043	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Chromium	**5.9**		0.30	0.27	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Copper	**15**		1.5	0.89	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Lead	**6.0**		0.59	0.52	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Manganese	**250**		0.89	0.16	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Nickel	**10**		2.4	0.30	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Selenium	**0.40**	**J**	0.59	0.27	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Silver	ND		0.30	0.062	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1
Zinc	**39**		1.2	0.70	mg/Kg	☼	01/14/22 14:27	01/17/22 18:48	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.029	0.019	mg/Kg	☼	01/18/22 09:07	01/19/22 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		0.1	0.1	%			01/19/22 14:06	1
Percent Solids	**95.4**		0.1	0.1	%			01/19/22 14:06	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:20	1
Cyanide, Total	ND		0.52	0.40	mg/Kg	☼	01/20/22 06:25	01/20/22 08:23	1

Client Sample ID: SSHS-IRM5A2-A2-A57A — Lab Sample ID: 180-132316-4

Date Collected: 01/13/22 16:01 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 94.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,4-Dichlorobenzene	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1

Client Sample ID: SSHS-IRM5A2-A2-A57A

Lab Sample ID: 180-132316-4

Date Collected: 01/13/22 16:01
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 94.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	01/22/22 09:45	01/22/22 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/22/22 09:45*	*01/22/22 13:37*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*01/22/22 09:45*	*01/22/22 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*01/22/22 09:45*	*01/22/22 13:37*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*01/22/22 09:45*	*01/22/22 13:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			01/19/22 11:11	1
Percent Solids	**94.3**		0.1	0.1	%			01/19/22 11:11	1

Client Sample ID: SSHS-IRM5A2-A2-A57B

Lab Sample ID: 180-132316-5

Date Collected: 01/13/22 16:02
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 91.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1

Client Sample ID: SSHS-IRM5A2-A2-A57B

Lab Sample ID: 180-132316-5
Date Collected: 01/13/22 16:02
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 91.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/22/22 09:45	01/22/22 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/22/22 09:45*	*01/22/22 14:01*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/22/22 09:45*	*01/22/22 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*01/22/22 09:45*	*01/22/22 14:01*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*01/22/22 09:45*	*01/22/22 14:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			01/19/22 11:11	1
Percent Solids	**91.2**		0.1	0.1	%			01/19/22 11:11	1

Client Sample ID: SSHS-IRM5A2-A2-A57C

Lab Sample ID: 180-132316-6
Date Collected: 01/13/22 16:00
Matrix: Solid
Date Received: 01/14/22 07:06
Percent Solids: 95.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Acenaphthylene	**0.0015**	**J**	0.0070	0.0015	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Benzo[a]anthracene	**0.0058**	**J**	0.0070	0.0031	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Benzo[a]pyrene	**0.0053**	**J**	0.0070	0.0030	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Benzo[b]fluoranthene	**0.0077**		0.0070	0.0017	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Benzo[g,h,i]perylene	**0.0039**	**J**	0.0070	0.0015	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Benzo[k]fluoranthene	**0.0028**	**J**	0.0070	0.0021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Chrysene	**0.0064**	**J**	0.0070	0.0039	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Fluoranthene	**0.0096**		0.0070	0.0018	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Indeno[1,2,3-cd]pyrene	**0.0035**	**J**	0.0070	0.0035	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1

Client Sample ID: SSHS-IRM5A2-A2-A57C
Date Collected: 01/13/22 16:00
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-6
Matrix: Solid
Percent Solids: 95.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.034	0.010	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Phenanthrene	**0.0059**	**J**	0.0070	0.0019	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Phenol	ND		0.034	0.011	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Pyrene	**0.0094**		0.0070	0.0017	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	01/18/22 11:01	01/19/22 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*01/18/22 11:01*	*01/19/22 12:21*	*1*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*01/18/22 11:01*	*01/19/22 12:21*	*1*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*01/18/22 11:01*	*01/19/22 12:21*	*1*
Phenol-d5 (Surr)	*76*		*34 - 105*	*01/18/22 11:01*	*01/19/22 12:21*	*1*
Terphenyl-d14 (Surr)	*62*		*20 - 117*	*01/18/22 11:01*	*01/19/22 12:21*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*20 - 119*	*01/18/22 11:01*	*01/19/22 12:21*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0055	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1221	ND		0.017	0.0060	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1232	ND		0.017	0.0041	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1248	**0.054**		0.017	0.0041	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1254	**0.011**	**J**	0.017	0.0051	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1260	ND		0.017	0.0048	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1262	ND		0.017	0.0060	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 14:57	01/17/22 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*01/14/22 14:57*	*01/17/22 12:18*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*01/14/22 14:57*	*01/17/22 12:18*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*01/14/22 14:57*	*01/17/22 12:18*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*01/14/22 14:57*	*01/17/22 12:18*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.8**		0.64	0.40	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Barium	**40**		13	2.3	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Beryllium	**0.20**	**J**	0.26	0.070	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Cadmium	**0.093**	**J**	0.32	0.047	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Chromium	**6.9**		0.32	0.29	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Copper	**19**		1.6	0.97	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Lead	**6.7**		0.64	0.56	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Manganese	**230**		0.97	0.18	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Nickel	**13**		2.6	0.32	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Selenium	**0.36**	**J**	0.64	0.30	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1

Client Sample ID: SSHS-IRM5A2-A2-A57C
Lab Sample ID: 180-132316-6
Date Collected: 01/13/22 16:00 **Matrix: Solid**
Date Received: 01/14/22 07:06 **Percent Solids: 95.2**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.32	0.067	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1
Zinc	**43**		1.3	0.77	mg/Kg	☼	01/14/22 14:27	01/17/22 18:52	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	01/18/22 09:07	01/19/22 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.8**		0.1	0.1	%			01/14/22 15:48	1
Percent Solids	**95.2**		0.1	0.1	%			01/14/22 15:48	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:21	1
Cyanide, Total	ND		0.53	0.40	mg/Kg	☼	01/20/22 06:25	01/20/22 08:25	1

Client Sample ID: SSHS-IRM5A2-A2-A58A
Lab Sample ID: 180-132316-7
Date Collected: 01/13/22 16:11 **Matrix: Solid**
Date Received: 01/14/22 07:06 **Percent Solids: 92.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	01/22/22 09:45	01/22/22 14:23	1

Client Sample ID: SSHS-IRM5A2-A2-A58A — Lab Sample ID: 180-132316-7

Date Collected: 01/13/22 16:11 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 92.2**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*01/22/22 09:45*	*01/22/22 14:23*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/22/22 09:45*	*01/22/22 14:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*01/22/22 09:45*	*01/22/22 14:23*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/22/22 09:45*	*01/22/22 14:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.1	0.1	%			01/19/22 11:11	1
Percent Solids	**92.2**		0.1	0.1	%			01/19/22 11:11	1

Client Sample ID: SSHS-IRM5A2-A2-A58B — Lab Sample ID: 180-132316-8

Date Collected: 01/13/22 16:12 — **Matrix: Solid**
Date Received: 01/14/22 07:06 — **Percent Solids: 93.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/21/22 05:45	01/21/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*01/21/22 05:45*	*01/21/22 14:50*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*01/21/22 05:45*	*01/21/22 14:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*01/21/22 05:45*	*01/21/22 14:50*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A58B
Lab Sample ID: 180-132316-8
Date Collected: 01/13/22 16:12 **Matrix: Solid**
Date Received: 01/14/22 07:06 **Percent Solids: 93.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/21/22 05:45*	*01/21/22 14:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.6**		0.1	0.1	%			01/19/22 11:11	1
Percent Solids	**93.4**		0.1	0.1	%			01/19/22 11:11	1

Client Sample ID: SSHS-IRM5A2-A2-A58C
Lab Sample ID: 180-132316-9
Date Collected: 01/13/22 16:10 **Matrix: Solid**
Date Received: 01/14/22 07:06 **Percent Solids: 93.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0020	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Acenaphthylene	**0.014**		0.0072	0.0016	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Anthracene	**0.0090**		0.0072	0.0018	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Benzo[a]anthracene	**0.026**		0.0072	0.0032	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Benzo[a]pyrene	**0.022**		0.0072	0.0031	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Benzo[b]fluoranthene	**0.039**		0.0072	0.0018	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Benzo[g,h,i]perylene	**0.021**		0.0072	0.0015	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Benzo[k]fluoranthene	**0.012**		0.0072	0.0021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Chrysene	**0.030**		0.0072	0.0039	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Dibenz(a,h)anthracene	**0.0061**	**J**	0.0072	0.0046	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Fluoranthene	**0.035**		0.0072	0.0019	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Fluorene	**0.0020**	**J**	0.0072	0.0014	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Indeno[1,2,3-cd]pyrene	**0.019**		0.0072	0.0035	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Naphthalene	**0.0062**	**J**	0.0072	0.0014	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Phenanthrene	**0.023**		0.0072	0.0019	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Pyrene	**0.041**		0.0072	0.0017	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/18/22 11:01	01/19/22 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*01/18/22 11:01*	*01/19/22 12:43*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*01/18/22 11:01*	*01/19/22 12:43*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/18/22 11:01*	*01/19/22 12:43*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*01/18/22 11:01*	*01/19/22 12:43*	*1*
Terphenyl-d14 (Surr)	*65*		*20 - 117*	*01/18/22 11:01*	*01/19/22 12:43*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A58C
Date Collected: 01/13/22 16:10
Date Received: 01/14/22 07:06

Lab Sample ID: 180-132316-9
Matrix: Solid
Percent Solids: 93.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*01/18/22 11:01*	*01/19/22 12:43*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1248	**0.63**		0.017	0.0042	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1254	**0.22**		0.017	0.0052	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	01/14/22 14:57	01/17/22 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*01/14/22 14:57*	*01/17/22 12:37*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*01/14/22 14:57*	*01/17/22 12:37*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*01/14/22 14:57*	*01/17/22 12:37*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*01/14/22 14:57*	*01/17/22 12:37*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.7**		0.60	0.37	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Barium	**34**		12	2.1	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Beryllium	**0.20**	**J**	0.24	0.065	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Cadmium	**0.13**	**J**	0.30	0.044	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Chromium	**6.1**		0.30	0.27	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Copper	**15**		1.5	0.90	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Lead	**7.4**		0.60	0.52	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Manganese	**300**		0.90	0.17	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Nickel	**13**		2.4	0.30	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Selenium	**0.35**	**J**	0.60	0.28	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Silver	ND		0.30	0.062	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1
Zinc	**40**		1.2	0.71	mg/Kg	☼	01/14/22 14:27	01/17/22 18:57	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.020	mg/Kg	☼	01/18/22 09:07	01/19/22 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.9**		0.1	0.1	%			01/14/22 15:48	1
Percent Solids	**93.1**		0.1	0.1	%			01/14/22 15:48	1
Hexavalent chromium	ND		0.42	0.23	mg/Kg	☼	01/18/22 09:23	01/19/22 16:23	1
Cyanide, Total	ND		0.45	0.34	mg/Kg	☼	01/20/22 06:25	01/20/22 08:27	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-385761/5
Matrix: Solid
Analysis Batch: 385761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/21/22 07:52	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/21/22 07:52	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/21/22 07:52	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/21/22 07:52	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/21/22 07:52	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/21/22 07:52	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/21/22 07:52	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/21/22 07:52	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/21/22 07:52	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/21/22 07:52	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/21/22 07:52	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/21/22 07:52	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/21/22 07:52	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/21/22 07:52	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/21/22 07:52	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/21/22 07:52	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/21/22 07:52	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/21/22 07:52	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/21/22 07:52	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/21/22 07:52	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/21/22 07:52	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/21/22 07:52	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/21/22 07:52	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/21/22 07:52	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/21/22 07:52	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/21/22 07:52	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/21/22 07:52	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/21/22 07:52	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/21/22 07:52	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/21/22 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*01/21/22 07:52*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*		*01/21/22 07:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*		*01/21/22 07:52*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*		*01/21/22 07:52*	*1*

Lab Sample ID: LCS 180-385761/3
Matrix: Solid
Analysis Batch: 385761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0380		mg/Kg		95	23 - 170
Benzene	0.0400	0.0387		mg/Kg		97	77 - 120
2-Butanone (MEK)	0.0400	0.0419		mg/Kg		105	39 - 157
Carbon tetrachloride	0.0400	0.0383		mg/Kg		96	73 - 130
Chlorobenzene	0.0400	0.0385		mg/Kg		96	79 - 122
Chloroform	0.0400	0.0352		mg/Kg		88	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385761/3
Matrix: Solid
Analysis Batch: 385761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0407		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0396		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0409		mg/Kg		102	77 - 121
1,4-Dichlorobenzene	0.0400	0.0387		mg/Kg		97	79 - 120
1,1-Dichloroethane	0.0400	0.0393		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0385		mg/Kg		96	64 - 140
1,1-Dichloroethene	0.0400	0.0438		mg/Kg		110	55 - 136
1,4-Dioxane	0.800	0.891	J	mg/Kg		111	18 - 166
Ethylbenzene	0.0400	0.0371		mg/Kg		93	79 - 119
Methylene Chloride	0.0400	0.0397		mg/Kg		99	67 - 131
Methyl tert-butyl ether	0.0400	0.0343		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0371		mg/Kg		93	64 - 136
N-Propylbenzene	0.0400	0.0381		mg/Kg		95	71 - 127
sec-Butylbenzene	0.0400	0.0373		mg/Kg		93	65 - 130
tert-Butylbenzene	0.0400	0.0373		mg/Kg		93	69 - 133
Tetrachloroethene	0.0400	0.0450		mg/Kg		113	71 - 121
Toluene	0.0400	0.0378		mg/Kg		95	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0410		mg/Kg		102	75 - 122
1,1,1-Trichloroethane	0.0400	0.0380		mg/Kg		95	72 - 134
Trichloroethene	0.0400	0.0438		mg/Kg		110	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0371		mg/Kg		93	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0371		mg/Kg		93	69 - 131
Vinyl chloride	0.0400	0.0392		mg/Kg		98	64 - 134
Xylenes, Total	0.0800	0.0723		mg/Kg		90	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: MB 180-385893/5
Matrix: Solid
Analysis Batch: 385893

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/22/22 12:05	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/22/22 12:05	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/22/22 12:05	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/22/22 12:05	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/22/22 12:05	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/22/22 12:05	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/22/22 12:05	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/22/22 12:05	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/22/22 12:05	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/22/22 12:05	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/22/22 12:05	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/22/22 12:05	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385893/5
Matrix: Solid
Analysis Batch: 385893

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/22/22 12:05	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/22/22 12:05	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/22/22 12:05	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/22/22 12:05	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/22/22 12:05	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/22/22 12:05	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/22/22 12:05	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/22/22 12:05	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/22/22 12:05	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/22/22 12:05	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/22/22 12:05	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/22/22 12:05	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/22/22 12:05	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/22/22 12:05	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/22/22 12:05	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/22/22 12:05	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/22/22 12:05	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/22/22 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*01/22/22 12:05*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*		*01/22/22 12:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*01/22/22 12:05*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*		*01/22/22 12:05*	*1*

Lab Sample ID: LCS 180-385893/3
Matrix: Solid
Analysis Batch: 385893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0365		mg/Kg		91	23 - 170
Benzene	0.0400	0.0414		mg/Kg		103	77 - 120
2-Butanone (MEK)	0.0400	0.0409		mg/Kg		102	39 - 157
Carbon tetrachloride	0.0400	0.0399		mg/Kg		100	73 - 130
Chlorobenzene	0.0400	0.0394		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0375		mg/Kg		94	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0426		mg/Kg		106	77 - 118
1,2-Dichlorobenzene	0.0400	0.0388		mg/Kg		97	76 - 120
1,3-Dichlorobenzene	0.0400	0.0402		mg/Kg		100	77 - 121
1,4-Dichlorobenzene	0.0400	0.0379		mg/Kg		95	79 - 120
1,1-Dichloroethane	0.0400	0.0422		mg/Kg		106	73 - 124
1,2-Dichloroethane	0.0400	0.0407		mg/Kg		102	64 - 140
1,1-Dichloroethene	0.0400	0.0382		mg/Kg		96	55 - 136
1,4-Dioxane	0.800	0.892	J	mg/Kg		111	18 - 166
Ethylbenzene	0.0400	0.0380		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0411		mg/Kg		103	67 - 131
Methyl tert-butyl ether	0.0400	0.0377		mg/Kg		94	58 - 132
n-Butylbenzene	0.0400	0.0366		mg/Kg		91	64 - 136

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385893/3
Matrix: Solid
Analysis Batch: 385893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0380		mg/Kg		95	71 - 127
sec-Butylbenzene	0.0400	0.0370		mg/Kg		93	65 - 130
tert-Butylbenzene	0.0400	0.0373		mg/Kg		93	69 - 133
Tetrachloroethene	0.0400	0.0467		mg/Kg		117	71 - 121
Toluene	0.0400	0.0384		mg/Kg		96	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0428		mg/Kg		107	75 - 122
1,1,1-Trichloroethane	0.0400	0.0401		mg/Kg		100	72 - 134
Trichloroethene	0.0400	0.0472		mg/Kg		118	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0373		mg/Kg		93	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0365		mg/Kg		91	69 - 131
Vinyl chloride	0.0400	0.0395		mg/Kg		99	64 - 134
Xylenes, Total	0.0800	0.0743		mg/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-385433/1-A
Matrix: Solid
Analysis Batch: 385541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Anthracene	ND		0.0067	0.0017	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Chrysene	ND		0.0067	0.0037	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Fluorene	ND		0.0067	0.0013	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		01/18/22 11:01	01/19/22 10:32	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-385433/1-A
Matrix: Solid
Analysis Batch: 385541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.17	0.054	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Phenol	ND		0.033	0.010	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Pyrene	ND		0.0067	0.0016	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
Pyridine	ND		0.067	0.018	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		01/18/22 11:01	01/19/22 10:32	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		01/18/22 11:01	01/19/22 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*01/18/22 11:01*	*01/19/22 10:32*	*1*
2-Fluorophenol (Surr)	*74*		*32 - 105*	*01/18/22 11:01*	*01/19/22 10:32*	*1*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*	*01/18/22 11:01*	*01/19/22 10:32*	*1*
Phenol-d5 (Surr)	*75*		*34 - 105*	*01/18/22 11:01*	*01/19/22 10:32*	*1*
Terphenyl-d14 (Surr)	*73*		*20 - 117*	*01/18/22 11:01*	*01/19/22 10:32*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*01/18/22 11:01*	*01/19/22 10:32*	*1*

Lab Sample ID: LCS 180-385433/2-A
Matrix: Solid
Analysis Batch: 385541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.442		mg/Kg		66	41 - 100
Acenaphthylene	0.667	0.433		mg/Kg		65	45 - 100
Anthracene	0.667	0.479		mg/Kg		72	47 - 100
Benzo[a]anthracene	0.667	0.495		mg/Kg		74	47 - 100
Benzo[a]pyrene	0.667	0.411		mg/Kg		62	45 - 101
Benzo[b]fluoranthene	0.667	0.424		mg/Kg		64	44 - 100
Benzo[g,h,i]perylene	0.667	0.438		mg/Kg		66	45 - 103
Benzo[k]fluoranthene	0.667	0.402		mg/Kg		60	43 - 100
Chrysene	0.667	0.498		mg/Kg		75	44 - 100
Dibenz(a,h)anthracene	0.667	0.448		mg/Kg		67	46 - 107
Dibenzofuran	0.667	0.440		mg/Kg		66	47 - 100
2,4-Dinitrotoluene	0.667	0.462		mg/Kg		69	48 - 106
1,4-Dioxane	0.667	0.452		mg/Kg		68	10 - 133
Fluoranthene	0.667	0.492		mg/Kg		74	49 - 102
Fluorene	0.667	0.454		mg/Kg		68	46 - 100
Hexachlorobenzene	0.667	0.466		mg/Kg		70	45 - 101
Hexachlorobutadiene	0.667	0.460		mg/Kg		69	38 - 110
Hexachloroethane	0.667	0.467		mg/Kg		70	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.426		mg/Kg		64	48 - 104
2-Methylphenol	0.667	0.509		mg/Kg		76	43 - 101
Methylphenol, 3 & 4	0.667	0.484		mg/Kg		73	43 - 104
Naphthalene	0.667	0.483		mg/Kg		72	43 - 100
Nitrobenzene	0.667	0.439		mg/Kg		66	43 - 107
Pentachlorophenol	1.33	0.845		mg/Kg		63	34 - 112
Phenanthrene	0.667	0.471		mg/Kg		71	46 - 100
Phenol	0.667	0.471		mg/Kg		71	42 - 103
Pyrene	0.667	0.512		mg/Kg		77	44 - 102

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-385433/2-A
Matrix: Solid
Analysis Batch: 385541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	1.33	0.980		mg/Kg		73	25 - 109
2,4,5-Trichlorophenol	0.667	0.443		mg/Kg		66	47 - 108
2,4,6-Trichlorophenol	0.667	0.460		mg/Kg		69	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 105*
2-Fluorophenol (Surr)	*81*		*32 - 105*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*
Phenol-d5 (Surr)	*78*		*34 - 105*
Terphenyl-d14 (Surr)	*79*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-385218/1-C
Matrix: Solid
Analysis Batch: 385309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1262	ND		0.017	0.0059	mg/Kg		01/14/22 14:57	01/17/22 08:18	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/14/22 14:57	01/17/22 08:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*01/14/22 14:57*	*01/17/22 08:18*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*01/14/22 14:57*	*01/17/22 08:18*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*01/14/22 14:57*	*01/17/22 08:18*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*01/14/22 14:57*	*01/17/22 08:18*	*1*

Lab Sample ID: LCS 180-385218/2-C
Matrix: Solid
Analysis Batch: 385309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.04		mg/Kg		78	43 - 136
PCB-1260	1.33	1.17		mg/Kg		87	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-385212/1-A
Matrix: Solid
Analysis Batch: 385369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Barium	ND		20	3.6	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Beryllium	ND		0.40	0.11	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Cadmium	ND		0.50	0.073	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Chromium	ND		0.50	0.46	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Copper	ND		2.5	1.5	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Lead	ND		1.0	0.87	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Manganese	ND		1.5	0.28	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Nickel	ND		4.0	0.50	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Selenium	ND		1.0	0.46	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Silver	ND		0.50	0.10	mg/Kg		01/14/22 14:27	01/17/22 17:35	1
Zinc	ND		2.0	1.2	mg/Kg		01/14/22 14:27	01/17/22 17:35	1

Lab Sample ID: LCS 180-385212/2-A
Matrix: Solid
Analysis Batch: 385369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	104		mg/Kg		104	80 - 120
Barium	100	94.9		mg/Kg		95	80 - 120
Beryllium	50.0	48.8		mg/Kg		98	80 - 120
Cadmium	50.0	47.8		mg/Kg		96	80 - 120
Chromium	50.0	51.7		mg/Kg		103	80 - 120
Copper	50.0	51.8		mg/Kg		104	80 - 120
Lead	50.0	47.0		mg/Kg		94	80 - 120
Manganese	50.0	47.9		mg/Kg		96	80 - 120
Nickel	50.0	47.3		mg/Kg		95	80 - 120
Selenium	100	98.7		mg/Kg		99	80 - 120
Silver	25.0	24.3		mg/Kg		97	80 - 120
Zinc	25.0	25.6		mg/Kg		102	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-385402/1-A
Matrix: Solid
Analysis Batch: 385530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/18/22 09:07	01/19/22 07:27	1

Lab Sample ID: LCS 180-385402/2-A
Matrix: Solid
Analysis Batch: 385530

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.391		mg/Kg		94	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-132316-6 DU
Matrix: Solid
Analysis Batch: 385229

Client Sample ID: SSHS-IRM5A2-A2-A57C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.8		5.1		%		5	10
Percent Solids	95.2		94.9		%		0.3	10

Lab Sample ID: 180-132316-8 DU
Matrix: Solid
Analysis Batch: 385570

Client Sample ID: SSHS-IRM5A2-A2-A58B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.6		6.6		%		0.5	10
Percent Solids	93.4		93.4		%		0	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-385405/1-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385405

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/18/22 09:23	01/19/22 15:47	1

Lab Sample ID: LCSI 180-385405/3-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	640		mg/Kg		90	80 - 120

Lab Sample ID: LCSS 180-385405/2-A
Matrix: Solid
Analysis Batch: 385624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385405

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	15.9		mg/Kg		80	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-385640/4-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/20/22 06:25	01/20/22 08:20	1

Lab Sample ID: HLCS 180-385640/2-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132316-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-385640/3-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	20.9		mg/Kg		90	17 - 163

Lab Sample ID: LLCS 180-385640/1-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0490		mg/Kg		98	90 - 110

GC/MS VOA

Analysis Batch: 385761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-1	SSHS-IRM5A2-A2-A56A	Total/NA	Solid	EPA 8260C	385763
180-132316-2	SSHS-IRM5A2-A2-A56B	Total/NA	Solid	EPA 8260C	385763
180-132316-8	SSHS-IRM5A2-A2-A58B	Total/NA	Solid	EPA 8260C	385763
MB 180-385761/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385761/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 385763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-1	SSHS-IRM5A2-A2-A56A	Total/NA	Solid	5035	
180-132316-2	SSHS-IRM5A2-A2-A56B	Total/NA	Solid	5035	
180-132316-8	SSHS-IRM5A2-A2-A58B	Total/NA	Solid	5035	

Analysis Batch: 385893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-4	SSHS-IRM5A2-A2-A57A	Total/NA	Solid	EPA 8260C	385901
180-132316-5	SSHS-IRM5A2-A2-A57B	Total/NA	Solid	EPA 8260C	385901
180-132316-7	SSHS-IRM5A2-A2-A58A	Total/NA	Solid	EPA 8260C	385901
MB 180-385893/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385893/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 385901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-4	SSHS-IRM5A2-A2-A57A	Total/NA	Solid	5035	
180-132316-5	SSHS-IRM5A2-A2-A57B	Total/NA	Solid	5035	
180-132316-7	SSHS-IRM5A2-A2-A58A	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 385433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	3541	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	3541	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	3541	
MB 180-385433/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-385433/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 385541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	EPA 8270D LL	385433
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	EPA 8270D LL	385433
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	EPA 8270D LL	385433
MB 180-385433/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	385433
LCS 180-385433/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	385433

GC Semi VOA

Prep Batch: 385218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	3541	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	3541	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	3541	
MB 180-385218/1-C	Method Blank	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 385218 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-385218/2-C	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 385298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	3665A	385218
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	3665A	385218
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	3665A	385218
MB 180-385218/1-C	Method Blank	Total/NA	Solid	3665A	385218
LCS 180-385218/2-C	Lab Control Sample	Total/NA	Solid	3665A	385218

Cleanup Batch: 385299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	3660B	385298
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	3660B	385298
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	3660B	385298
MB 180-385218/1-C	Method Blank	Total/NA	Solid	3660B	385298
LCS 180-385218/2-C	Lab Control Sample	Total/NA	Solid	3660B	385298

Analysis Batch: 385309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	EPA 8082A	385299
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	EPA 8082A	385299
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	EPA 8082A	385299
MB 180-385218/1-C	Method Blank	Total/NA	Solid	EPA 8082A	385299
LCS 180-385218/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	385299

Metals

Prep Batch: 385212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	3050B	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	3050B	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	3050B	
MB 180-385212/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-385212/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 385369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	EPA 6010C	385212
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	EPA 6010C	385212
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	EPA 6010C	385212
MB 180-385212/1-A	Method Blank	Total/NA	Solid	EPA 6010C	385212
LCS 180-385212/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	385212

Prep Batch: 385402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	7471B	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	7471B	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	7471B	
MB 180-385402/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-385402/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Metals

Analysis Batch: 385530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	EPA 7471B	385402
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	EPA 7471B	385402
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	EPA 7471B	385402
MB 180-385402/1-A	Method Blank	Total/NA	Solid	EPA 7471B	385402
LCS 180-385402/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	385402

General Chemistry

Analysis Batch: 385229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	2540G	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	2540G	
180-132316-6 DU	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	2540G	

Prep Batch: 385405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	3060A	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	3060A	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	3060A	
MB 180-385405/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-385405/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-385405/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 385570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-1	SSHS-IRM5A2-A2-A56A	Total/NA	Solid	2540G	
180-132316-2	SSHS-IRM5A2-A2-A56B	Total/NA	Solid	2540G	
180-132316-4	SSHS-IRM5A2-A2-A57A	Total/NA	Solid	2540G	
180-132316-5	SSHS-IRM5A2-A2-A57B	Total/NA	Solid	2540G	
180-132316-7	SSHS-IRM5A2-A2-A58A	Total/NA	Solid	2540G	
180-132316-8	SSHS-IRM5A2-A2-A58B	Total/NA	Solid	2540G	
180-132316-8 DU	SSHS-IRM5A2-A2-A58B	Total/NA	Solid	2540G	

Analysis Batch: 385615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	2540G	

Analysis Batch: 385624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	EPA 7196A	385405
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	EPA 7196A	385405
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	EPA 7196A	385405
MB 180-385405/1-A	Method Blank	Total/NA	Solid	EPA 7196A	385405
LCSI 180-385405/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385405
LCSS 180-385405/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385405

Prep Batch: 385640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	9010C	
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	9010C	
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 385640 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-385640/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-385640/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-385640/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-385640/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 385670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132316-3	SSHS-IRM5A2-A2-A56C	Total/NA	Solid	EPA 9014	385640
180-132316-6	SSHS-IRM5A2-A2-A57C	Total/NA	Solid	EPA 9014	385640
180-132316-9	SSHS-IRM5A2-A2-A58C	Total/NA	Solid	EPA 9014	385640
MB 180-385640/4-A	Method Blank	Total/NA	Solid	EPA 9014	385640
HLCS 180-385640/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
LCS 180-385640/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
LLCS 180-385640/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7198A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A56A	1/13/22	1600	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A56B	1/13/22	1605	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A56C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A57A	1/13/22	1601	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A57B	1/13/22	1602	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A57C	1/13/22	1600	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A58A	1/13/22	1611	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A58B	1/13/22	1612	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A58C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Month

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Colin	Date/Time: 1/13/21	Company	Received by:	Date/Time: 1/14/22 930	Company: EETA PH
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-132316 Chain of Custody

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: AK Waheed	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-132316 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A56A	1/13/22	1600	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A56B	1/13/22	1605	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A56C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A57A	1/13/22	1601	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A57B	1/13/22	1602	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A57C	1/13/22	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A58A	1/13/22	1611	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A58B	1/13/22	1612	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A58C	1/13/22	1610	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Colin Lamas	Date/Time: 1/13/21	Company	Received by:	Date/Time: 1-14-22 1000	Company: EESac		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1688827		Cooler Temperature(s) °C and Other Remarks: 1.5°C				

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-132316 Field Sheet

Job: _____

Tracking # : 7756 9060 6511

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 606 Corr. Factor: (+ / -) N/A °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 16888827

Cooler ID: —

Temp Observed: 1.5 °C Corrected: 1.5 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 1-14-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 1-14-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 1-14-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132316-1

Login Number: 132316
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132484-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/25/2022 5:19:00 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-132484-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132484-1

Comments
Due to FEDEX shipment delay, the samples were at the Eurofins Sacramento laboratory on 1/20/2022.

Receipt
The samples were received on 1/19 and 20/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 2.3º C, 2.6º C and 4.2º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for batch 180-385917 recovered above the control limits for the following analyte: Tetrachloroethene. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A59A (180-132484-1) had the recoveries of Tetrachloroethene above the control limits.

Method 8270D: The matrix spike duplicate (MSD) of sample SSHS-IRM5A2-A2-A59B (180-132484-2) had the recovery of Tetrachloroethene above the control limits. The RPD between the spikes and the recoveries of the matrix spike (MS) and laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-385917 was above criteria for the following analyte: Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-385957 was below criteria for the following analyte: Methyl Tert Butyl Ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A59C (180-132484-3) and its matrix spikes, SSHS-IRM5A2-A2-A60C (180-132484-6), and SSHS-IRM5A2-A2-DUP12C (180-132484-21). Elevated reporting limits (RLs) are provided. The samples had surrogate recoveries above the control limits on one or both columns, likely impacted by sample dilution and the sample matrix.

Method 8082A: The matrix spike/matrix spike duplicate (MS/MSD) recoveries of sample SSHS-IRM5A2-A2-A59C (180-132484-3) were above the control limits for aroclor 1016 and the matrix spike recovery was also slightly above the control limits for aroclor 1260. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A59C (180-132484-3) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-132484-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

General Chemistry

Method 9014: The Pyridine Barbituric Acid reagent (4600927) expiration date on the raw data is incorrectly entered as 5/21/2021. The correct expiration date as entered into the LIMS reagent module is 5/21/2022.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132484-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132484-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132484-1	SSHS-IRM5A2-A2-A59A	Solid	01/18/22 13:30	01/19/22 10:30
180-132484-2	SSHS-IRM5A2-A2-A59B	Solid	01/18/22 13:30	01/19/22 10:30
180-132484-3	SSHS-IRM5A2-A2-A59C	Solid	01/18/22 13:30	01/19/22 10:30
180-132484-4	SSHS-IRM5A2-A2-A60A	Solid	01/18/22 14:30	01/19/22 10:30
180-132484-5	SSHS-IRM5A2-A2-A60B	Solid	01/18/22 14:30	01/19/22 10:30
180-132484-6	SSHS-IRM5A2-A2-A60C	Solid	01/18/22 14:30	01/19/22 10:30
180-132484-7	SSHS-IRM5A2-A2-A61A	Solid	01/18/22 15:10	01/19/22 10:30
180-132484-8	SSHS-IRM5A2-A2-A61B	Solid	01/18/22 15:10	01/19/22 10:30
180-132484-9	SSHS-IRM5A2-A2-A61C	Solid	01/18/22 15:10	01/19/22 10:30
180-132484-10	SSHS-IRM5A2-A2-A62A	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-11	SSHS-IRM5A2-A2-A62B	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-12	SSHS-IRM5A2-A2-A62C	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-13	SSHS-IRM5A2-A2-A63A	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-14	SSHS-IRM5A2-A2-A63B	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-15	SSHS-IRM5A2-A2-A63C	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-16	SSHS-IRM5A2-A2-A64A	Solid	01/18/22 15:15	01/19/22 10:30
180-132484-17	SSHS-IRM5A2-A2-A64B	Solid	01/18/22 15:15	01/19/22 10:30
180-132484-18	SSHS-IRM5A2-A2-A64C	Solid	01/18/22 15:15	01/19/22 10:30
180-132484-19	SSHS-IRM5A2-A2-DUP12A	Solid	01/18/22 00:00	01/19/22 10:30
180-132484-20	SSHS-IRM5A2-A2-DUP12B	Solid	01/18/22 00:00	01/19/22 10:30
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Solid	01/18/22 00:00	01/19/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A59A
Lab Sample ID: 180-132484-1
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A59A
Lab Sample ID: 180-132484-1
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2665 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 14:29	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A59B
Lab Sample ID: 180-132484-2
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A59B
Lab Sample ID: 180-132484-2
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.842 g	5 mL	385959	01/24/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385957	01/24/22 09:06	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A59C
Lab Sample ID: 180-132484-3
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A59C
Lab Sample ID: 180-132484-3
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 16:28	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A59C

Lab Sample ID: 180-132484-3
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		20			386079	01/25/22 09:53	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.37 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 12:43	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:21	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 13:54	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:30	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A60A

Lab Sample ID: 180-132484-4
Date Collected: 01/18/22 14:30
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A60A

Lab Sample ID: 180-132484-4
Date Collected: 01/18/22 14:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2355 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 14:06	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A60B

Lab Sample ID: 180-132484-5
Date Collected: 01/18/22 14:30
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A60B
Date Collected: 01/18/22 14:30
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-5
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2413 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 16:05	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A60C
Date Collected: 01/18/22 14:30
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A60C
Date Collected: 01/18/22 14:30
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-6
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 18:43	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		10			386079	01/25/22 10:49	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.15 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 13:14	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:24	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 13:57	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:39	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A61A
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A61A
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-7
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1149 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 16:28	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A61B
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A61B
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-8
Matrix: Solid
Percent Solids: 69.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9117 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 16:52	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A61C
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A61C
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-9
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 19:06	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385934	01/24/22 15:06	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.37 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 13:18	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A61C
Lab Sample ID: 180-132484-9
Date Collected: 01/18/22 15:10
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:25	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 13:58	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:41	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A62A
Lab Sample ID: 180-132484-10
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A62A
Lab Sample ID: 180-132484-10
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8945 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 17:15	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A62B
Lab Sample ID: 180-132484-11
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A62B
Lab Sample ID: 180-132484-11
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2793 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 17:37	PJJ	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A62C
Lab Sample ID: 180-132484-12
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A62C
Lab Sample ID: 180-132484-12
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 67.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 19:28	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385934	01/24/22 15:25	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.04 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 13:23	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:26	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 14:00	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:42	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A63A
Lab Sample ID: 180-132484-13
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A63A
Lab Sample ID: 180-132484-13
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0513 g	5 mL	385959	01/24/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385957	01/24/22 11:01	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A63B
Lab Sample ID: 180-132484-14
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A63B
Lab Sample ID: 180-132484-14
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0737 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 18:24	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A63C
Lab Sample ID: 180-132484-15
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A63C
Lab Sample ID: 180-132484-15
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 19:51	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385934	01/24/22 15:44	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.10 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 13:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:27	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.50 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 14:01	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	385640	01/20/22 06:25	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385670	01/20/22 08:44	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A64A
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A64A
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-16
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4251 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 18:47	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A64B
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A64B
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-17
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0605 g	5 mL	385959	01/24/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385957	01/24/22 11:24	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A64C
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A64C
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-18
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 20:13	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A64C

Lab Sample ID: 180-132484-18
Date Collected: 01/18/22 15:15
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			385934	01/24/22 16:02	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.77 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 13:32	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.77 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:28	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.47 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 14:02	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	10 mL	385862	01/21/22 17:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385864	01/21/22 18:40	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-DUP12A

Lab Sample ID: 180-132484-19
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP12A

Lab Sample ID: 180-132484-19
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9375 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 19:33	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP12B

Lab Sample ID: 180-132484-20
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385728	01/20/22 13:15	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-DUP12B

Lab Sample ID: 180-132484-20
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6125 g	5 mL	385928	01/23/22 10:42	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	385917	01/23/22 19:56	PJJ	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP12C

Lab Sample ID: 180-132484-21
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			385750	01/20/22 15:02	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP12C

Lab Sample ID: 180-132484-21
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	385646	01/20/22 06:31	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	385701	01/20/22 20:36	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	385675	01/21/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	385937	01/24/22 04:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	385938	01/24/22 04:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		20			386079	01/25/22 11:08	JMO	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.25 g	100 mL	385692	01/20/22 10:51	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386090	01/24/22 13:36	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.88 g	100 mL	385544	01/20/22 05:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			385674	01/20/22 08:29	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.50 g	100 mL	385808	01/21/22 10:01	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	385892	01/22/22 14:03	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	385862	01/21/22 17:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			385864	01/21/22 18:42	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KEM = Kimberly Mahoney
  - KLG = Kathy Gordon
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A59A

Lab Sample ID: 180-132484-1

Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 94.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Tetrachloroethene	ND	F1 *+	0.0050	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	01/23/22 10:42	01/23/22 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*01/23/22 10:42*	*01/23/22 14:29*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*01/23/22 10:42*	*01/23/22 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*01/23/22 10:42*	*01/23/22 14:29*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*01/23/22 10:42*	*01/23/22 14:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.4**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**94.6**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A59B

Lab Sample ID: 180-132484-2

Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 94.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1

Client Sample ID: SSHS-IRM5A2-A2-A59B
Lab Sample ID: 180-132484-2
Date Collected: 01/18/22 13:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 94.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Tetrachloroethene	ND	F1	0.0054	0.0022	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/24/22 05:45	01/24/22 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/24/22 05:45*	*01/24/22 09:06*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*01/24/22 05:45*	*01/24/22 09:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/24/22 05:45*	*01/24/22 09:06*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/24/22 05:45*	*01/24/22 09:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.2**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**94.8**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A59C
Lab Sample ID: 180-132484-3
Date Collected: 01/18/22 13:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 93.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1

Client Sample ID: SSHS-IRM5A2-A2-A59C **Lab Sample ID: 180-132484-3**
Date Collected: 01/18/22 13:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 93.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Benzo[b]fluoranthene	**0.0020**	**J**	0.0070	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Benzo[g,h,i]perylene	**0.0016**	**J**	0.0070	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Fluoranthene	ND		0.0070	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Pyrene	ND		0.0070	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*01/20/22 06:31*	*01/20/22 16:28*	*1*
2-Fluorophenol (Surr)	*69*		*32 - 105*	*01/20/22 06:31*	*01/20/22 16:28*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/20/22 06:31*	*01/20/22 16:28*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*01/20/22 06:31*	*01/20/22 16:28*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*01/20/22 06:31*	*01/20/22 16:28*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*01/20/22 06:31*	*01/20/22 16:28*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F1	0.36	0.12	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1221	ND		0.36	0.13	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1232	ND		0.36	0.087	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1242	ND		0.36	0.052	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1248	**40**		0.36	0.085	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1254	**10**		0.36	0.11	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1260	**0.83**		0.36	0.10	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1262	ND		0.36	0.12	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20
PCB-1268	ND		0.36	0.048	mg/Kg	☼	01/21/22 09:00	01/25/22 09:53	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*167*	*S1+*	*63 - 138*	*01/21/22 09:00*	*01/25/22 09:53*	*20*
DCB Decachlorobiphenyl (Surr)	*215*	*S1+*	*63 - 138*	*01/21/22 09:00*	*01/25/22 09:53*	*20*

Client Sample ID: SSHS-IRM5A2-A2-A59C
Lab Sample ID: 180-132484-3
Date Collected: 01/18/22 13:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 93.2**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*141*	*S1+*	*55 - 135*	*01/21/22 09:00*	*01/25/22 09:53*	*20*
Tetrachloro-m-xylene (Surr)	*127*		*55 - 135*	*01/21/22 09:00*	*01/25/22 09:53*	*20*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		0.78	0.49	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Barium	**32**	**F1**	16	2.8	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Beryllium	**0.17**	**J F1**	0.31	0.085	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Cadmium	**0.068**	**J F1**	0.39	0.058	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Chromium	**5.1**	**F1**	0.39	0.36	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Copper	**14**	**F1**	2.0	1.2	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Lead	**6.5**	**F1**	0.78	0.68	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Manganese	**310**	**F2**	1.2	0.22	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Nickel	**9.8**	**F1**	3.1	0.39	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Selenium	**0.40**	**J**	0.78	0.36	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Silver	ND		0.39	0.081	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1
Zinc	**38**	**F2 F1**	1.6	0.93	mg/Kg	☼	01/20/22 10:51	01/24/22 12:43	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	01/20/22 05:25	01/20/22 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**93.2**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	01/21/22 10:01	01/22/22 13:54	1
Cyanide, Total	ND		0.45	0.34	mg/Kg	☼	01/20/22 06:25	01/20/22 08:30	1

Client Sample ID: SSHS-IRM5A2-A2-A60A
Lab Sample ID: 180-132484-4
Date Collected: 01/18/22 14:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 90.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1

Client Sample ID: SSHS-IRM5A2-A2-A60A — Lab Sample ID: 180-132484-4

Date Collected: 01/18/22 14:30 — **Matrix: Solid**
Date Received: 01/19/22 10:30 — **Percent Solids: 90.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Tetrachloroethene	ND	*+	0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/23/22 10:42	01/23/22 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*01/23/22 10:42*	*01/23/22 14:06*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/23/22 10:42*	*01/23/22 14:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*01/23/22 10:42*	*01/23/22 14:06*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*01/23/22 10:42*	*01/23/22 14:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**90.3**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A60B — Lab Sample ID: 180-132484-5

Date Collected: 01/18/22 14:30 — **Matrix: Solid**
Date Received: 01/19/22 10:30 — **Percent Solids: 90.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1

Client Sample ID: SSHS-IRM5A2-A2-A60B
Lab Sample ID: 180-132484-5
Date Collected: 01/18/22 14:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 90.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Tetrachloroethene	ND	*+	0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/23/22 10:42	01/23/22 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*01/23/22 10:42*	*01/23/22 16:05*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*01/23/22 10:42*	*01/23/22 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*01/23/22 10:42*	*01/23/22 16:05*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*01/23/22 10:42*	*01/23/22 16:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**90.5**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A60C
Lab Sample ID: 180-132484-6
Date Collected: 01/18/22 14:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 87.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0076	0.0022	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Acenaphthylene	ND		0.0076	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Anthracene	ND		0.0076	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Benzo[a]anthracene	**0.0036**	**J**	0.0076	0.0034	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Benzo[a]pyrene	**0.0036**	**J**	0.0076	0.0033	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Benzo[b]fluoranthene	**0.0050**	**J**	0.0076	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Benzo[g,h,i]perylene	**0.0033**	**J**	0.0076	0.0016	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Benzo[k]fluoranthene	ND		0.0076	0.0023	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Chrysene	**0.0042**	**J**	0.0076	0.0042	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Dibenz(a,h)anthracene	ND		0.0076	0.0049	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
1,4-Dioxane	ND		0.076	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Fluoranthene	**0.0062**	**J**	0.0076	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Fluorene	ND		0.0076	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Hexachloroethane	ND		0.038	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Indeno[1,2,3-cd]pyrene	ND		0.0076	0.0038	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1

Client Sample ID: SSHS-IRM5A2-A2-A60C
Date Collected: 01/18/22 14:30
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-6
Matrix: Solid
Percent Solids: 87.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Naphthalene	ND		0.0076	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Nitrobenzene	ND		0.076	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Phenanthrene	**0.0035**	**J**	0.0076	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Phenol	ND		0.038	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Pyrene	**0.0056**	**J**	0.0076	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
Pyridine	ND		0.076	0.021	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*01/20/22 06:31*	*01/20/22 18:43*	*1*
2-Fluorophenol (Surr)	*87*		*32 - 105*	*01/20/22 06:31*	*01/20/22 18:43*	*1*
Nitrobenzene-d5 (Surr)	*89*		*34 - 109*	*01/20/22 06:31*	*01/20/22 18:43*	*1*
Phenol-d5 (Surr)	*85*		*34 - 105*	*01/20/22 06:31*	*01/20/22 18:43*	*1*
Terphenyl-d14 (Surr)	*85*		*20 - 117*	*01/20/22 06:31*	*01/20/22 18:43*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*	*01/20/22 06:31*	*01/20/22 18:43*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.061	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1221	ND		0.19	0.067	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1232	ND		0.19	0.046	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1242	ND		0.19	0.028	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1248	**7.0**		0.19	0.045	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1254	**3.1**		0.19	0.057	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1260	ND		0.19	0.054	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1262	ND		0.19	0.066	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10
PCB-1268	ND		0.19	0.025	mg/Kg	☼	01/21/22 09:00	01/25/22 10:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*143*	*S1+*	*63 - 138*	*01/21/22 09:00*	*01/25/22 10:49*	*10*
DCB Decachlorobiphenyl (Surr)	*164*	*S1+*	*63 - 138*	*01/21/22 09:00*	*01/25/22 10:49*	*10*
Tetrachloro-m-xylene (Surr)	*128*		*55 - 135*	*01/21/22 09:00*	*01/25/22 10:49*	*10*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*01/21/22 09:00*	*01/25/22 10:49*	*10*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.9**		1.0	0.63	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Barium	**34**		20	3.6	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Beryllium	**0.18**	**J**	0.40	0.11	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Cadmium	ND		0.50	0.073	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Chromium	**5.8**		0.50	0.45	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Copper	**14**		2.5	1.5	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Lead	**6.4**		1.0	0.87	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Manganese	**280**		1.5	0.28	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Nickel	**10**		4.0	0.50	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Selenium	**0.58**	**J**	1.0	0.46	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1

Client Sample ID: SSHS-IRM5A2-A2-A60C
Lab Sample ID: 180-132484-6
Date Collected: 01/18/22 14:30 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 87.2**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.10	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1
Zinc	**40**		2.0	1.2	mg/Kg	☼	01/20/22 10:51	01/24/22 13:14	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	01/20/22 05:25	01/20/22 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**87.2**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/21/22 10:01	01/22/22 13:57	1
Cyanide, Total	ND		0.48	0.36	mg/Kg	☼	01/20/22 06:25	01/20/22 08:39	1

Client Sample ID: SSHS-IRM5A2-A2-A61A
Lab Sample ID: 180-132484-7
Date Collected: 01/18/22 15:10 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 91.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Tetrachloroethene	ND	*+	0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	01/23/22 10:42	01/23/22 16:28	1

Client Sample ID: SSHS-IRM5A2-A2-A61A
Lab Sample ID: 180-132484-7

Date Collected: 01/18/22 15:10 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 91.7**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*01/23/22 10:42*	*01/23/22 16:28*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*01/23/22 10:42*	*01/23/22 16:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*01/23/22 10:42*	*01/23/22 16:28*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*01/23/22 10:42*	*01/23/22 16:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**91.7**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A61B
Lab Sample ID: 180-132484-8

Date Collected: 01/18/22 15:10 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 69.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0047	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Benzene	ND		0.0061	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
2-Butanone (MEK)	ND		0.0061	0.0031	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Carbon tetrachloride	ND		0.0061	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Chlorobenzene	ND		0.0061	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Chloroform	ND		0.0061	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
cis-1,2-Dichloroethene	ND		0.0061	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,2-Dichlorobenzene	ND		0.0061	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,3-Dichlorobenzene	ND		0.0061	0.0037	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,4-Dichlorobenzene	ND		0.0061	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,1-Dichloroethane	ND		0.0061	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,2-Dichloroethane	ND		0.0061	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,1-Dichloroethene	ND		0.0061	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,4-Dioxane	ND		1.2	0.043	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Ethylbenzene	ND		0.0061	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Methylene Chloride	ND		0.0061	0.0055	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Methyl tert-butyl ether	ND		0.0061	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
n-Butylbenzene	ND		0.0061	0.0030	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
N-Propylbenzene	ND		0.0061	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
sec-Butylbenzene	ND		0.0061	0.0030	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
tert-Butylbenzene	ND		0.0061	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Tetrachloroethene	ND	*+	0.0061	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Toluene	ND		0.0061	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
trans-1,2-Dichloroethene	ND		0.0061	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,1,1-Trichloroethane	ND		0.0061	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Trichloroethene	ND		0.0061	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,2,4-Trimethylbenzene	ND		0.0061	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
1,3,5-Trimethylbenzene	ND		0.0061	0.0023	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Vinyl chloride	ND		0.0061	0.0044	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1
Xylenes, Total	ND		0.012	0.0088	mg/Kg	☼	01/23/22 10:42	01/23/22 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*01/23/22 10:42*	*01/23/22 16:52*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*01/23/22 10:42*	*01/23/22 16:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*01/23/22 10:42*	*01/23/22 16:52*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A61B — Lab Sample ID: 180-132484-8

Date Collected: 01/18/22 15:10 — **Matrix: Solid**
Date Received: 01/19/22 10:30 — **Percent Solids: 69.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*67 - 134*	*01/23/22 10:42*	*01/23/22 16:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**30.3**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**69.7**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A61C — Lab Sample ID: 180-132484-9

Date Collected: 01/18/22 15:10 — **Matrix: Solid**
Date Received: 01/19/22 10:30 — **Percent Solids: 87.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0062**	**J**	0.0077	0.0022	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Acenaphthylene	**0.11**		0.0077	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Anthracene	**0.078**		0.0077	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Benzo[a]anthracene	**0.17**		0.0077	0.0035	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Benzo[a]pyrene	**0.20**		0.0077	0.0033	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Benzo[b]fluoranthene	**0.26**		0.0077	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Benzo[g,h,i]perylene	**0.20**		0.0077	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Benzo[k]fluoranthene	**0.099**		0.0077	0.0023	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Chrysene	**0.20**		0.0077	0.0042	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Dibenz(a,h)anthracene	**0.051**		0.0077	0.0049	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Dibenzofuran	**0.016**	**J**	0.038	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
1,4-Dioxane	ND		0.077	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Fluoranthene	**0.27**		0.0077	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Fluorene	**0.012**		0.0077	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Hexachlorobenzene	ND		0.0077	0.0027	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Hexachlorobutadiene	ND		0.0077	0.0022	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Indeno[1,2,3-cd]pyrene	**0.18**		0.0077	0.0038	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Naphthalene	**0.049**		0.0077	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Nitrobenzene	ND		0.077	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Phenanthrene	**0.10**		0.0077	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Phenol	ND		0.038	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Pyrene	**0.27**		0.0077	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*01/20/22 06:31*	*01/20/22 19:06*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*01/20/22 06:31*	*01/20/22 19:06*	*1*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*01/20/22 06:31*	*01/20/22 19:06*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*01/20/22 06:31*	*01/20/22 19:06*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*01/20/22 06:31*	*01/20/22 19:06*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A61C
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-9
Matrix: Solid
Percent Solids: 87.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*01/20/22 06:31*	*01/20/22 19:06*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1248	**3.9**		0.019	0.0045	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1254	**1.1**		0.019	0.0056	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1260	**0.060**		0.019	0.0053	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	01/21/22 09:00	01/24/22 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*01/21/22 09:00*	*01/24/22 15:06*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*01/21/22 09:00*	*01/24/22 15:06*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*01/21/22 09:00*	*01/24/22 15:06*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*01/21/22 09:00*	*01/24/22 15:06*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		0.84	0.53	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Barium	**79**		17	3.0	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Beryllium	**0.28**	**J**	0.34	0.091	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Cadmium	**0.13**	**J**	0.42	0.061	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Chromium	**12**		0.42	0.38	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Copper	**72**		2.1	1.3	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Lead	**40**		0.84	0.73	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Manganese	**320**		1.3	0.23	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Nickel	**18**		3.4	0.42	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Selenium	**0.85**		0.84	0.39	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Silver	ND		0.42	0.087	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1
Zinc	**98**		1.7	1.0	mg/Kg	☼	01/20/22 10:51	01/24/22 13:18	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.037	0.024	mg/Kg	☼	01/20/22 05:25	01/20/22 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.9**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**87.1**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	01/21/22 10:01	01/22/22 13:58	1
Cyanide, Total	ND		0.52	0.40	mg/Kg	☼	01/20/22 06:25	01/20/22 08:41	1

Client Sample ID: SSHS-IRM5A2-A2-A62A

Lab Sample ID: 180-132484-10

Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 84.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
2-Butanone (MEK)	ND		0.0050	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Tetrachloroethene	ND	*+	0.0050	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	01/23/22 10:42	01/23/22 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*01/23/22 10:42*	*01/23/22 17:15*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*01/23/22 10:42*	*01/23/22 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*01/23/22 10:42*	*01/23/22 17:15*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*01/23/22 10:42*	*01/23/22 17:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.7**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**84.3**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A62B

Lab Sample ID: 180-132484-11

Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1

Client Sample ID: SSHS-IRM5A2-A2-A62B

Lab Sample ID: 180-132484-11
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Tetrachloroethene	ND	*+	0.0052	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	01/23/22 10:42	01/23/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*01/23/22 10:42*	*01/23/22 17:37*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*01/23/22 10:42*	*01/23/22 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*01/23/22 10:42*	*01/23/22 17:37*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*01/23/22 10:42*	*01/23/22 17:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**90.5**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A62C

Lab Sample ID: 180-132484-12
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 67.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0096	0.0028	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Acenaphthylene	**0.035**		0.0096	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Anthracene	**0.022**		0.0096	0.0025	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Benzo[a]anthracene	**0.049**		0.0096	0.0043	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1

Client Sample ID: SSHS-IRM5A2-A2-A62C **Lab Sample ID: 180-132484-12**
Date Collected: 01/18/22 15:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 67.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.050**		0.0096	0.0041	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Benzo[b]fluoranthene	**0.070**		0.0096	0.0024	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Benzo[g,h,i]perylene	**0.051**		0.0096	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Benzo[k]fluoranthene	**0.022**		0.0096	0.0029	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Chrysene	**0.058**		0.0096	0.0053	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Dibenz(a,h)anthracene	**0.012**		0.0096	0.0061	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Dibenzofuran	ND		0.047	0.018	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
2,4-Dinitrotoluene	ND		0.047	0.029	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
1,4-Dioxane	ND		0.096	0.015	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Fluoranthene	**0.080**		0.0096	0.0025	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Fluorene	**0.0049**	**J**	0.0096	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Hexachlorobenzene	ND		0.0096	0.0034	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Hexachlorobutadiene	ND		0.0096	0.0028	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Hexachloroethane	ND		0.047	0.017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Indeno[1,2,3-cd]pyrene	**0.043**		0.0096	0.0048	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
2-Methylphenol	ND		0.047	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Methylphenol, 3 & 4	ND		0.047	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Naphthalene	**0.0090**	**J**	0.0096	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Nitrobenzene	ND		0.096	0.017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Pentachlorophenol	ND		0.24	0.077	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Phenanthrene	**0.043**		0.0096	0.0026	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Phenol	ND		0.047	0.014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Pyrene	**0.082**		0.0096	0.0023	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
Pyridine	ND		0.096	0.026	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
2,4,5-Trichlorophenol	ND		0.047	0.017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1
2,4,6-Trichlorophenol	ND		0.047	0.016	mg/Kg	☼	01/20/22 06:31	01/20/22 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*01/20/22 06:31*	*01/20/22 19:28*	*1*
2-Fluorophenol (Surr)	*79*		*32 - 105*	*01/20/22 06:31*	*01/20/22 19:28*	*1*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*	*01/20/22 06:31*	*01/20/22 19:28*	*1*
Phenol-d5 (Surr)	*82*		*34 - 105*	*01/20/22 06:31*	*01/20/22 19:28*	*1*
Terphenyl-d14 (Surr)	*84*		*20 - 117*	*01/20/22 06:31*	*01/20/22 19:28*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*20 - 119*	*01/20/22 06:31*	*01/20/22 19:28*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0078	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1221	ND		0.024	0.0085	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1232	ND		0.024	0.0059	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1242	ND		0.024	0.0035	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1248	**1.2**		0.024	0.0058	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1254	**0.34**		0.024	0.0072	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1260	ND		0.024	0.0068	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1262	ND		0.024	0.0085	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1
PCB-1268	ND		0.024	0.0032	mg/Kg	☼	01/21/22 09:00	01/24/22 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*01/21/22 09:00*	*01/24/22 15:25*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*01/21/22 09:00*	*01/24/22 15:25*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A62C

Lab Sample ID: 180-132484-12

Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 67.5

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*01/21/22 09:00*	*01/24/22 15:25*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*01/21/22 09:00*	*01/24/22 15:25*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.3**		1.4	0.89	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Barium	**63**		28	5.1	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Beryllium	**0.48**	**J**	0.57	0.16	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Cadmium	ND		0.71	0.10	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Chromium	**12**		0.71	0.65	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Copper	**31**		3.6	2.2	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Lead	**21**		1.4	1.2	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Manganese	**610**		2.1	0.40	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Nickel	**19**		5.7	0.72	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Selenium	ND		1.4	0.66	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Silver	ND		0.71	0.15	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1
Zinc	**78**		2.8	1.7	mg/Kg	☼	01/20/22 10:51	01/24/22 13:23	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.066**		0.047	0.030	mg/Kg	☼	01/20/22 05:25	01/20/22 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**32.5**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**67.5**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.60	0.32	mg/Kg	☼	01/21/22 10:01	01/22/22 14:00	1
Cyanide, Total	ND		0.59	0.45	mg/Kg	☼	01/20/22 06:25	01/20/22 08:42	1

Client Sample ID: SSHS-IRM5A2-A2-A63A

Lab Sample ID: 180-132484-13

Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1

Client Sample ID: SSHS-IRM5A2-A2-A63A
Lab Sample ID: 180-132484-13
Date Collected: 01/18/22 15:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 90.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	01/24/22 05:45	01/24/22 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*01/24/22 05:45*	*01/24/22 11:01*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*01/24/22 05:45*	*01/24/22 11:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*01/24/22 05:45*	*01/24/22 11:01*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*01/24/22 05:45*	*01/24/22 11:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**90.5**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A63B
Lab Sample ID: 180-132484-14
Date Collected: 01/18/22 15:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 93.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1

Client Sample ID: SSHS-IRM5A2-A2-A63B
Lab Sample ID: 180-132484-14
Date Collected: 01/18/22 15:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 93.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Tetrachloroethene	ND	*+	0.0053	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Trichloroethene	ND		0.0053	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	01/23/22 10:42	01/23/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/23/22 10:42*	*01/23/22 18:24*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*01/23/22 10:42*	*01/23/22 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*01/23/22 10:42*	*01/23/22 18:24*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*01/23/22 10:42*	*01/23/22 18:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.2**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**93.8**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A63C
Lab Sample ID: 180-132484-15
Date Collected: 01/18/22 15:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 91.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Acenaphthylene	ND		0.0071	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Fluoranthene	**0.0020**	**J**	0.0071	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1

Client Sample ID: SSHS-IRM5A2-A2-A63C
Date Collected: 01/18/22 15:00
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-15
Matrix: Solid
Percent Solids: 91.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Phenol	ND		0.035	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*01/20/22 06:31*	*01/20/22 19:51*	*1*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*01/20/22 06:31*	*01/20/22 19:51*	*1*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*01/20/22 06:31*	*01/20/22 19:51*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*01/20/22 06:31*	*01/20/22 19:51*	*1*
Terphenyl-d14 (Surr)	*64*		*20 - 117*	*01/20/22 06:31*	*01/20/22 19:51*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*01/20/22 06:31*	*01/20/22 19:51*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1248	**1.7**		0.018	0.0044	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1254	**0.48**		0.018	0.0054	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1260	**0.025**		0.018	0.0052	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/21/22 09:00	01/24/22 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*01/21/22 09:00*	*01/24/22 15:44*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*01/21/22 09:00*	*01/24/22 15:44*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*01/21/22 09:00*	*01/24/22 15:44*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*01/21/22 09:00*	*01/24/22 15:44*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.8**		1.0	0.62	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Barium	**32**		20	3.5	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Beryllium	**0.19**	**J**	0.40	0.11	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Cadmium	ND		0.50	0.073	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Chromium	**5.4**		0.50	0.45	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Copper	**13**		2.5	1.5	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Lead	**7.1**		1.0	0.87	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Manganese	**240**		1.5	0.28	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Nickel	**10**		4.0	0.50	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Selenium	**0.47**	**J**	1.0	0.46	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1

Client Sample ID: SSHS-IRM5A2-A2-A63C
Lab Sample ID: 180-132484-15
Date Collected: 01/18/22 15:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 91.2**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.10	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1
Zinc	**41**		2.0	1.2	mg/Kg	☼	01/20/22 10:51	01/24/22 13:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	01/20/22 05:25	01/20/22 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**91.2**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	01/21/22 10:01	01/22/22 14:01	1
Cyanide, Total	ND		0.48	0.36	mg/Kg	☼	01/20/22 06:25	01/20/22 08:44	1

Client Sample ID: SSHS-IRM5A2-A2-A64A
Lab Sample ID: 180-132484-16
Date Collected: 01/18/22 15:15 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 92.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Ethylbenzene	ND		0.0050	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Tetrachloroethene	ND	*+	0.0050	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
trans-1,2-Dichloroethene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	01/23/22 10:42	01/23/22 18:47	1

Client Sample ID: SSHS-IRM5A2-A2-A64A
Lab Sample ID: 180-132484-16

Date Collected: 01/18/22 15:15
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 92.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*01/23/22 10:42*	*01/23/22 18:47*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*01/23/22 10:42*	*01/23/22 18:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*01/23/22 10:42*	*01/23/22 18:47*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*01/23/22 10:42*	*01/23/22 18:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**92.5**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A64B
Lab Sample ID: 180-132484-17

Date Collected: 01/18/22 15:15
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 87.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Vinyl chloride	ND		0.0056	0.0041	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	01/24/22 05:45	01/24/22 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*01/24/22 05:45*	*01/24/22 11:24*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*01/24/22 05:45*	*01/24/22 11:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*01/24/22 05:45*	*01/24/22 11:24*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A64B — Lab Sample ID: 180-132484-17

Date Collected: 01/18/22 15:15 — **Matrix: Solid**
Date Received: 01/19/22 10:30 — **Percent Solids: 87.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*111*		*67 - 134*	*01/24/22 05:45*	*01/24/22 11:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.4**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**87.6**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-A64C — Lab Sample ID: 180-132484-18

Date Collected: 01/18/22 15:15 — **Matrix: Solid**
Date Received: 01/19/22 10:30 — **Percent Solids: 90.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Acenaphthylene	**0.0017**	**J**	0.0073	0.0016	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Anthracene	ND		0.0073	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Benzo[a]anthracene	ND		0.0073	0.0033	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Benzo[a]pyrene	ND		0.0073	0.0032	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Benzo[b]fluoranthene	**0.0028**	**J**	0.0073	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Benzo[g,h,i]perylene	**0.0025**	**J**	0.0073	0.0016	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Benzo[k]fluoranthene	ND		0.0073	0.0022	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Chrysene	ND		0.0073	0.0041	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Dibenz(a,h)anthracene	ND		0.0073	0.0047	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Fluoranthene	**0.0036**	**J**	0.0073	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.0073	0.0036	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Naphthalene	ND		0.0073	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Phenanthrene	**0.0021**	**J**	0.0073	0.0020	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Pyrene	**0.0034**	**J**	0.0073	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*82*		*35 - 105*	*01/20/22 06:31*	*01/20/22 20:13*	*1*
2-Fluorophenol (Surr)	*87*		*32 - 105*	*01/20/22 06:31*	*01/20/22 20:13*	*1*
Nitrobenzene-d5 (Surr)	*87*		*34 - 109*	*01/20/22 06:31*	*01/20/22 20:13*	*1*
Phenol-d5 (Surr)	*88*		*34 - 105*	*01/20/22 06:31*	*01/20/22 20:13*	*1*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*01/20/22 06:31*	*01/20/22 20:13*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-A64C
Date Collected: 01/18/22 15:15
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-18
Matrix: Solid
Percent Solids: 90.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*	*01/20/22 06:31*	*01/20/22 20:13*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1248	**0.59**		0.018	0.0044	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1254	**0.17**		0.018	0.0054	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	01/21/22 09:00	01/24/22 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*01/21/22 09:00*	*01/24/22 16:02*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*01/21/22 09:00*	*01/24/22 16:02*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*01/21/22 09:00*	*01/24/22 16:02*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*01/21/22 09:00*	*01/24/22 16:02*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.8**		0.62	0.39	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Barium	**29**		12	2.2	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Beryllium	**0.17**	**J**	0.25	0.068	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Cadmium	**0.054**	**J**	0.31	0.046	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Chromium	**5.0**		0.31	0.28	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Copper	**15**		1.6	0.94	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Lead	**5.7**		0.62	0.54	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Manganese	**240**		0.93	0.17	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Nickel	**12**		2.5	0.31	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Selenium	**0.38**	**J**	0.62	0.29	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Silver	ND		0.31	0.065	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1
Zinc	**36**		1.2	0.74	mg/Kg	☼	01/20/22 10:51	01/24/22 13:32	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.028	0.018	mg/Kg	☼	01/20/22 05:25	01/20/22 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.3**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**90.7**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	01/21/22 10:01	01/22/22 14:02	1
Cyanide, Total	ND		0.42	0.32	mg/Kg	☼	01/21/22 17:15	01/21/22 18:40	1

Client Sample ID: SSHS-IRM5A2-A2-DUP12A

Lab Sample ID: 180-132484-19

Date Collected: 01/18/22 00:00
Date Received: 01/19/22 10:30

Matrix: Solid
Percent Solids: 96.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.017	0.0034	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Benzene	ND		0.0043	0.0012	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
2-Butanone (MEK)	ND		0.0043	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Carbon tetrachloride	ND		0.0043	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Chlorobenzene	ND		0.0043	0.0011	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Chloroform	ND		0.0043	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
cis-1,2-Dichloroethene	ND		0.0043	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,2-Dichlorobenzene	ND		0.0043	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,3-Dichlorobenzene	ND		0.0043	0.0027	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,4-Dichlorobenzene	ND		0.0043	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,1-Dichloroethane	ND		0.0043	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,2-Dichloroethane	ND		0.0043	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,1-Dichloroethene	ND		0.0043	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,4-Dioxane	ND		0.87	0.031	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Ethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Methylene Chloride	ND		0.0043	0.0039	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Methyl tert-butyl ether	ND		0.0043	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
n-Butylbenzene	ND		0.0043	0.0022	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
N-Propylbenzene	ND		0.0043	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
sec-Butylbenzene	ND		0.0043	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
tert-Butylbenzene	ND		0.0043	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Tetrachloroethene	ND	*+	0.0043	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Toluene	ND		0.0043	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
trans-1,2-Dichloroethene	ND		0.0043	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,1,1-Trichloroethane	ND		0.0043	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Trichloroethene	ND		0.0043	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,2,4-Trimethylbenzene	ND		0.0043	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
1,3,5-Trimethylbenzene	ND		0.0043	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Vinyl chloride	ND		0.0043	0.0031	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1
Xylenes, Total	ND		0.0087	0.0063	mg/Kg	☼	01/23/22 10:42	01/23/22 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*01/23/22 10:42*	*01/23/22 19:33*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*01/23/22 10:42*	*01/23/22 19:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*01/23/22 10:42*	*01/23/22 19:33*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*01/23/22 10:42*	*01/23/22 19:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.1**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**96.9**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-DUP12B

Lab Sample ID: 180-132484-20

Date Collected: 01/18/22 00:00
Date Received: 01/19/22 10:30

Matrix: Solid
Percent Solids: 94.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0037	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Benzene	ND		0.0047	0.0013	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1

Client Sample ID: SSHS-IRM5A2-A2-DUP12B

Lab Sample ID: 180-132484-20
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 94.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0047	0.0024	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Carbon tetrachloride	ND		0.0047	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Chlorobenzene	ND		0.0047	0.0012	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Chloroform	ND		0.0047	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
cis-1,2-Dichloroethene	ND		0.0047	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,2-Dichlorobenzene	ND		0.0047	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,3-Dichlorobenzene	ND		0.0047	0.0029	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,4-Dichlorobenzene	ND		0.0047	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,1-Dichloroethane	ND		0.0047	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,2-Dichloroethane	ND		0.0047	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,1-Dichloroethene	ND		0.0047	0.0021	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,4-Dioxane	ND		0.94	0.033	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Ethylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Methylene Chloride	ND		0.0047	0.0043	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Methyl tert-butyl ether	ND		0.0047	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
n-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
N-Propylbenzene	ND		0.0047	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
sec-Butylbenzene	ND		0.0047	0.0023	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
tert-Butylbenzene	ND		0.0047	0.0020	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Tetrachloroethene	ND	*+	0.0047	0.0019	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Toluene	ND		0.0047	0.0014	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
trans-1,2-Dichloroethene	ND		0.0047	0.0017	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,1,1-Trichloroethane	ND		0.0047	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Trichloroethene	ND		0.0047	0.0015	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,2,4-Trimethylbenzene	ND		0.0047	0.0016	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
1,3,5-Trimethylbenzene	ND		0.0047	0.0018	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Vinyl chloride	ND		0.0047	0.0034	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1
Xylenes, Total	ND		0.0094	0.0068	mg/Kg	☼	01/23/22 10:42	01/23/22 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*01/23/22 10:42*	*01/23/22 19:56*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*01/23/22 10:42*	*01/23/22 19:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*73 - 135*	*01/23/22 10:42*	*01/23/22 19:56*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*01/23/22 10:42*	*01/23/22 19:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			01/20/22 13:15	1
Percent Solids	**94.3**		0.1	0.1	%			01/20/22 13:15	1

Client Sample ID: SSHS-IRM5A2-A2-DUP12C

Lab Sample ID: 180-132484-21
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 92.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Acenaphthylene	**0.0056**	**J**	0.0073	0.0016	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Anthracene	**0.0039**	**J**	0.0073	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Benzo[a]anthracene	ND		0.0073	0.0033	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1

Client Sample ID: SSHS-IRM5A2-A2-DUP12C **Lab Sample ID: 180-132484-21**
Date Collected: 01/18/22 00:00 **Matrix: Solid**
Date Received: 01/19/22 10:30 **Percent Solids: 92.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0073	0.0031	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Benzo[b]fluoranthene	**0.0066**	**J**	0.0073	0.0018	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Benzo[g,h,i]perylene	**0.0059**	**J**	0.0073	0.0016	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Benzo[k]fluoranthene	ND		0.0073	0.0022	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Chrysene	ND		0.0073	0.0040	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Dibenz(a,h)anthracene	ND		0.0073	0.0046	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Fluoranthene	**0.0025**	**J**	0.0073	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Indeno[1,2,3-cd]pyrene	**0.0051**	**J**	0.0073	0.0036	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Naphthalene	**0.0019**	**J**	0.0073	0.0014	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Phenanthrene	**0.0023**	**J**	0.0073	0.0019	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Phenol	ND		0.036	0.011	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Pyrene	**0.0026**	**J**	0.0073	0.0017	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	01/20/22 06:31	01/20/22 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*35 - 105*	*01/20/22 06:31*	*01/20/22 20:36*	*1*
2-Fluorophenol (Surr)	*88*		*32 - 105*	*01/20/22 06:31*	*01/20/22 20:36*	*1*
Nitrobenzene-d5 (Surr)	*87*		*34 - 109*	*01/20/22 06:31*	*01/20/22 20:36*	*1*
Phenol-d5 (Surr)	*88*		*34 - 105*	*01/20/22 06:31*	*01/20/22 20:36*	*1*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*01/20/22 06:31*	*01/20/22 20:36*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*01/20/22 06:31*	*01/20/22 20:36*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.35	0.11	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1221	ND		0.35	0.12	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1232	ND		0.35	0.086	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1242	ND		0.35	0.052	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1248	**61**		0.35	0.085	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1254	**16**		0.35	0.11	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1260	**0.92**		0.35	0.10	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1262	ND		0.35	0.12	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20
PCB-1268	ND		0.35	0.047	mg/Kg	☼	01/21/22 09:00	01/25/22 11:08	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*158*	*S1+*	*63 - 138*	*01/21/22 09:00*	*01/25/22 11:08*	*20*
DCB Decachlorobiphenyl (Surr)	*174*	*S1+*	*63 - 138*	*01/21/22 09:00*	*01/25/22 11:08*	*20*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Client Sample ID: SSHS-IRM5A2-A2-DUP12C

Lab Sample ID: 180-132484-21
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 92.0

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*132*		*55 - 135*	*01/21/22 09:00*	*01/25/22 11:08*	*20*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*01/21/22 09:00*	*01/25/22 11:08*	*20*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		0.87	0.55	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Barium	**33**		17	3.1	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Beryllium	**0.19**	**J**	0.35	0.095	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Cadmium	**0.065**	**J**	0.43	0.064	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Chromium	**6.2**		0.43	0.40	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Copper	**15**		2.2	1.3	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Lead	**6.3**		0.87	0.76	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Manganese	**270**		1.3	0.24	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Nickel	**11**		3.5	0.44	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Selenium	**0.79**	**J**	0.87	0.40	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Silver	ND		0.43	0.090	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1
Zinc	**46**		1.7	1.0	mg/Kg	☼	01/20/22 10:51	01/24/22 13:36	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.024	0.016	mg/Kg	☼	01/20/22 05:25	01/20/22 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		0.1	0.1	%			01/20/22 15:02	1
Percent Solids	**92.0**		0.1	0.1	%			01/20/22 15:02	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	01/21/22 10:01	01/22/22 14:03	1
Cyanide, Total	ND		0.47	0.36	mg/Kg	☼	01/21/22 17:15	01/21/22 18:42	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-385917/8
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/23/22 13:42	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/23/22 13:42	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/23/22 13:42	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/23/22 13:42	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/23/22 13:42	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/23/22 13:42	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/23/22 13:42	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/23/22 13:42	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/23/22 13:42	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/23/22 13:42	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/23/22 13:42	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/23/22 13:42	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/23/22 13:42	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/23/22 13:42	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/23/22 13:42	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/23/22 13:42	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/23/22 13:42	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/23/22 13:42	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/23/22 13:42	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/23/22 13:42	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/23/22 13:42	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/23/22 13:42	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/23/22 13:42	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/23/22 13:42	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/23/22 13:42	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/23/22 13:42	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/23/22 13:42	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/23/22 13:42	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/23/22 13:42	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/23/22 13:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*		*01/23/22 13:42*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*		*01/23/22 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*01/23/22 13:42*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*		*01/23/22 13:42*	*1*

Lab Sample ID: LCS 180-385917/6
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			0.0400	0.0246		mg/Kg		62	23 - 170		
Benzene			0.0400	0.0382		mg/Kg		95	77 - 120		
2-Butanone (MEK)			0.0400	0.0283		mg/Kg		71	39 - 157		
Carbon tetrachloride			0.0400	0.0379		mg/Kg		95	73 - 130		
Chlorobenzene			0.0400	0.0384		mg/Kg		96	79 - 122		
Chloroform			0.0400	0.0334		mg/Kg		83	73 - 126		

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385917/6
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0389		mg/Kg		97	77 - 118
1,2-Dichlorobenzene	0.0400	0.0368		mg/Kg		92	76 - 120
1,3-Dichlorobenzene	0.0400	0.0406		mg/Kg		101	77 - 121
1,4-Dichlorobenzene	0.0400	0.0382		mg/Kg		95	79 - 120
1,1-Dichloroethane	0.0400	0.0388		mg/Kg		97	73 - 124
1,2-Dichloroethane	0.0400	0.0338		mg/Kg		85	64 - 140
1,1-Dichloroethene	0.0400	0.0430		mg/Kg		108	55 - 136
1,4-Dioxane	0.800	0.546	J	mg/Kg		68	18 - 166
Ethylbenzene	0.0400	0.0376		mg/Kg		94	79 - 119
Methylene Chloride	0.0400	0.0369		mg/Kg		92	67 - 131
Methyl tert-butyl ether	0.0400	0.0289		mg/Kg		72	58 - 132
n-Butylbenzene	0.0400	0.0383		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0407		mg/Kg		102	71 - 127
sec-Butylbenzene	0.0400	0.0394		mg/Kg		98	65 - 130
tert-Butylbenzene	0.0400	0.0399		mg/Kg		100	69 - 133
Tetrachloroethene	0.0400	0.0490	*+	mg/Kg		123	71 - 121
Toluene	0.0400	0.0389		mg/Kg		97	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0404		mg/Kg		101	75 - 122
1,1,1-Trichloroethane	0.0400	0.0373		mg/Kg		93	72 - 134
Trichloroethene	0.0400	0.0427		mg/Kg		107	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0383		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0390		mg/Kg		97	69 - 131
Vinyl chloride	0.0400	0.0389		mg/Kg		97	64 - 134
Xylenes, Total	0.0800	0.0741		mg/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*
Toluene-d8 (Surr)	*109*		*67 - 134*

Lab Sample ID: 180-132484-1 MS
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: SSHS-IRM5A2-A2-A59A
Prep Type: Total/NA
Prep Batch: 385928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0352	0.0221		mg/Kg	☼	63	23 - 170
Benzene	ND		0.0352	0.0326		mg/Kg	☼	93	77 - 120
2-Butanone (MEK)	ND		0.0352	0.0211		mg/Kg	☼	60	39 - 157
Carbon tetrachloride	ND		0.0352	0.0333		mg/Kg	☼	95	73 - 130
Chlorobenzene	ND		0.0352	0.0344		mg/Kg	☼	98	79 - 122
Chloroform	ND		0.0352	0.0288		mg/Kg	☼	82	73 - 126
cis-1,2-Dichloroethene	ND		0.0352	0.0332		mg/Kg	☼	94	77 - 118
1,2-Dichlorobenzene	ND		0.0352	0.0312		mg/Kg	☼	89	76 - 120
1,3-Dichlorobenzene	ND		0.0352	0.0352		mg/Kg	☼	100	77 - 121
1,4-Dichlorobenzene	ND		0.0352	0.0329		mg/Kg	☼	93	79 - 120
1,1-Dichloroethane	ND		0.0352	0.0331		mg/Kg	☼	94	73 - 124
1,2-Dichloroethane	ND		0.0352	0.0249		mg/Kg	☼	71	64 - 140

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-132484-1 MS
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: SSHS-IRM5A2-A2-A59A
Prep Type: Total/NA
Prep Batch: 385928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		0.0352	0.0375		mg/Kg	☼	107	55 - 136
1,4-Dioxane	ND		0.705	0.382	J	mg/Kg	☼	54	18 - 166
Ethylbenzene	ND		0.0352	0.0352		mg/Kg	☼	100	79 - 119
Methylene Chloride	ND		0.0352	0.0317		mg/Kg	☼	90	67 - 131
Methyl tert-butyl ether	ND		0.0352	0.0207		mg/Kg	☼	59	58 - 132
n-Butylbenzene	ND		0.0352	0.0358		mg/Kg	☼	102	64 - 136
N-Propylbenzene	ND		0.0352	0.0369		mg/Kg	☼	105	71 - 127
sec-Butylbenzene	ND		0.0352	0.0364		mg/Kg	☼	103	65 - 130
tert-Butylbenzene	ND		0.0352	0.0369		mg/Kg	☼	105	69 - 133
Tetrachloroethene	ND	F1 *+	0.0352	0.0431	F1	mg/Kg	☼	122	71 - 121
Toluene	ND		0.0352	0.0347		mg/Kg	☼	99	76 - 120
trans-1,2-Dichloroethene	ND		0.0352	0.0346		mg/Kg	☼	98	75 - 122
1,1,1-Trichloroethane	ND		0.0352	0.0331		mg/Kg	☼	94	72 - 134
Trichloroethene	ND		0.0352	0.0368		mg/Kg	☼	104	69 - 118
1,2,4-Trimethylbenzene	ND		0.0352	0.0350		mg/Kg	☼	99	74 - 127
1,3,5-Trimethylbenzene	ND		0.0352	0.0353		mg/Kg	☼	100	69 - 131
Vinyl chloride	ND		0.0352	0.0321		mg/Kg	☼	91	64 - 134
Xylenes, Total	ND		0.0705	0.0664		mg/Kg	☼	94	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*
Toluene-d8 (Surr)	*112*		*67 - 134*

Lab Sample ID: 180-132484-1 MSD
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: SSHS-IRM5A2-A2-A59A
Prep Type: Total/NA
Prep Batch: 385928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0367	0.0271		mg/Kg	☼	74	23 - 170	21	35
Benzene	ND		0.0367	0.0357		mg/Kg	☼	97	77 - 120	9	20
2-Butanone (MEK)	ND		0.0367	0.0247		mg/Kg	☼	67	39 - 157	16	33
Carbon tetrachloride	ND		0.0367	0.0361		mg/Kg	☼	98	73 - 130	8	21
Chlorobenzene	ND		0.0367	0.0367		mg/Kg	☼	100	79 - 122	7	20
Chloroform	ND		0.0367	0.0317		mg/Kg	☼	86	73 - 126	9	20
cis-1,2-Dichloroethene	ND		0.0367	0.0361		mg/Kg	☼	98	77 - 118	8	20
1,2-Dichlorobenzene	ND		0.0367	0.0358		mg/Kg	☼	97	76 - 120	13	20
1,3-Dichlorobenzene	ND		0.0367	0.0387		mg/Kg	☼	105	77 - 121	9	20
1,4-Dichlorobenzene	ND		0.0367	0.0367		mg/Kg	☼	100	79 - 120	11	20
1,1-Dichloroethane	ND		0.0367	0.0359		mg/Kg	☼	98	73 - 124	8	20
1,2-Dichloroethane	ND		0.0367	0.0305		mg/Kg	☼	83	64 - 140	20	20
1,1-Dichloroethene	ND		0.0367	0.0397		mg/Kg	☼	108	55 - 136	6	21
1,4-Dioxane	ND		0.735	0.468	J	mg/Kg	☼	64	18 - 166	20	40
Ethylbenzene	ND		0.0367	0.0367		mg/Kg	☼	100	79 - 119	4	20
Methylene Chloride	ND		0.0367	0.0365		mg/Kg	☼	99	67 - 131	14	32
Methyl tert-butyl ether	ND		0.0367	0.0258		mg/Kg	☼	70	58 - 132	22	24
n-Butylbenzene	ND		0.0367	0.0384		mg/Kg	☼	105	64 - 136	7	21

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-132484-1 MSD
Matrix: Solid
Analysis Batch: 385917

Client Sample ID: SSHS-IRM5A2-A2-A59A
Prep Type: Total/NA
Prep Batch: 385928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND		0.0367	0.0385		mg/Kg	☼	105	71 - 127	4	20
sec-Butylbenzene	ND		0.0367	0.0382		mg/Kg	☼	104	65 - 130	5	20
tert-Butylbenzene	ND		0.0367	0.0386		mg/Kg	☼	105	69 - 133	5	23
Tetrachloroethene	ND	F1 *+	0.0367	0.0468	F1	mg/Kg	☼	127	71 - 121	8	21
Toluene	ND		0.0367	0.0368		mg/Kg	☼	100	76 - 120	6	20
trans-1,2-Dichloroethene	ND		0.0367	0.0374		mg/Kg	☼	102	75 - 122	8	20
1,1,1-Trichloroethane	ND		0.0367	0.0357		mg/Kg	☼	97	72 - 134	8	20
Trichloroethene	ND		0.0367	0.0395		mg/Kg	☼	107	69 - 118	7	20
1,2,4-Trimethylbenzene	ND		0.0367	0.0369		mg/Kg	☼	100	74 - 127	5	20
1,3,5-Trimethylbenzene	ND		0.0367	0.0376		mg/Kg	☼	102	69 - 131	6	20
Vinyl chloride	ND		0.0367	0.0344		mg/Kg	☼	94	64 - 134	7	23
Xylenes, Total	ND		0.0735	0.0711		mg/Kg	☼	97	78 - 118	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*
Toluene-d8 (Surr)	*109*		*67 - 134*

Lab Sample ID: MB 180-385957/5
Matrix: Solid
Analysis Batch: 385957

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/24/22 08:43	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/24/22 08:43	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/24/22 08:43	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/24/22 08:43	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/24/22 08:43	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/24/22 08:43	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/24/22 08:43	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/24/22 08:43	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/24/22 08:43	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/24/22 08:43	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/24/22 08:43	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/24/22 08:43	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/24/22 08:43	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/24/22 08:43	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/24/22 08:43	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/24/22 08:43	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/24/22 08:43	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/24/22 08:43	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/24/22 08:43	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/24/22 08:43	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/24/22 08:43	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/24/22 08:43	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/24/22 08:43	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/24/22 08:43	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-385957/5
Matrix: Solid
Analysis Batch: 385957

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/24/22 08:43	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/24/22 08:43	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/24/22 08:43	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/24/22 08:43	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/24/22 08:43	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/24/22 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*		*01/24/22 08:43*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*		*01/24/22 08:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*		*01/24/22 08:43*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*		*01/24/22 08:43*	*1*

Lab Sample ID: LCS 180-385957/3
Matrix: Solid
Analysis Batch: 385957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0386		mg/Kg		96	23 - 170
Benzene	0.0400	0.0383		mg/Kg		96	77 - 120
2-Butanone (MEK)	0.0400	0.0419		mg/Kg		105	39 - 157
Carbon tetrachloride	0.0400	0.0372		mg/Kg		93	73 - 130
Chlorobenzene	0.0400	0.0404		mg/Kg		101	79 - 122
Chloroform	0.0400	0.0347		mg/Kg		87	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0400		mg/Kg		100	77 - 118
1,2-Dichlorobenzene	0.0400	0.0396		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0420		mg/Kg		105	77 - 121
1,4-Dichlorobenzene	0.0400	0.0391		mg/Kg		98	79 - 120
1,1-Dichloroethane	0.0400	0.0390		mg/Kg		97	73 - 124
1,2-Dichloroethane	0.0400	0.0362		mg/Kg		91	64 - 140
1,1-Dichloroethene	0.0400	0.0420		mg/Kg		105	55 - 136
1,4-Dioxane	0.800	0.753	J	mg/Kg		94	18 - 166
Ethylbenzene	0.0400	0.0384		mg/Kg		96	79 - 119
Methylene Chloride	0.0400	0.0386		mg/Kg		96	67 - 131
Methyl tert-butyl ether	0.0400	0.0339		mg/Kg		85	58 - 132
n-Butylbenzene	0.0400	0.0391		mg/Kg		98	64 - 136
N-Propylbenzene	0.0400	0.0393		mg/Kg		98	71 - 127
sec-Butylbenzene	0.0400	0.0392		mg/Kg		98	65 - 130
tert-Butylbenzene	0.0400	0.0392		mg/Kg		98	69 - 133
Tetrachloroethene	0.0400	0.0480		mg/Kg		120	71 - 121
Toluene	0.0400	0.0396		mg/Kg		99	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0398		mg/Kg		100	75 - 122
1,1,1-Trichloroethane	0.0400	0.0368		mg/Kg		92	72 - 134
Trichloroethene	0.0400	0.0426		mg/Kg		106	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0386		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0382		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0369		mg/Kg		92	64 - 134
Xylenes, Total	0.0800	0.0763		mg/Kg		95	78 - 118

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-385957/3
Matrix: Solid
Analysis Batch: 385957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: 180-132484-2 MS
Matrix: Solid
Analysis Batch: 385957

Client Sample ID: SSHS-IRM5A2-A2-A59B
Prep Type: Total/NA
Prep Batch: 385959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0433	0.0452		mg/Kg	☼	104	23 - 170
Benzene	ND		0.0433	0.0400		mg/Kg	☼	92	77 - 120
2-Butanone (MEK)	ND		0.0433	0.0447		mg/Kg	☼	103	39 - 157
Carbon tetrachloride	ND		0.0433	0.0398		mg/Kg	☼	92	73 - 130
Chlorobenzene	ND		0.0433	0.0411		mg/Kg	☼	95	79 - 122
Chloroform	ND		0.0433	0.0364		mg/Kg	☼	84	73 - 126
cis-1,2-Dichloroethene	ND		0.0433	0.0411		mg/Kg	☼	95	77 - 118
1,2-Dichlorobenzene	ND		0.0433	0.0409		mg/Kg	☼	94	76 - 120
1,3-Dichlorobenzene	ND		0.0433	0.0428		mg/Kg	☼	99	77 - 121
1,4-Dichlorobenzene	ND		0.0433	0.0401		mg/Kg	☼	93	79 - 120
1,1-Dichloroethane	ND		0.0433	0.0411		mg/Kg	☼	95	73 - 124
1,2-Dichloroethane	ND		0.0433	0.0385		mg/Kg	☼	89	64 - 140
1,1-Dichloroethene	ND		0.0433	0.0455		mg/Kg	☼	105	55 - 136
1,4-Dioxane	ND		0.866	0.929	J	mg/Kg	☼	107	18 - 166
Ethylbenzene	ND		0.0433	0.0398		mg/Kg	☼	92	79 - 119
Methylene Chloride	ND		0.0433	0.0419		mg/Kg	☼	97	67 - 131
Methyl tert-butyl ether	ND		0.0433	0.0364		mg/Kg	☼	84	58 - 132
n-Butylbenzene	ND		0.0433	0.0400		mg/Kg	☼	92	64 - 136
N-Propylbenzene	ND		0.0433	0.0397		mg/Kg	☼	92	71 - 127
sec-Butylbenzene	ND		0.0433	0.0391		mg/Kg	☼	90	65 - 130
tert-Butylbenzene	ND		0.0433	0.0390		mg/Kg	☼	90	69 - 133
Tetrachloroethene	ND	F1	0.0433	0.0493		mg/Kg	☼	114	71 - 121
Toluene	ND		0.0433	0.0405		mg/Kg	☼	94	76 - 120
trans-1,2-Dichloroethene	ND		0.0433	0.0417		mg/Kg	☼	96	75 - 122
1,1,1-Trichloroethane	ND		0.0433	0.0395		mg/Kg	☼	91	72 - 134
Trichloroethene	ND		0.0433	0.0446		mg/Kg	☼	103	69 - 118
1,2,4-Trimethylbenzene	ND		0.0433	0.0389		mg/Kg	☼	90	74 - 127
1,3,5-Trimethylbenzene	ND		0.0433	0.0388		mg/Kg	☼	90	69 - 131
Vinyl chloride	ND		0.0433	0.0359		mg/Kg	☼	83	64 - 134
Xylenes, Total	ND		0.0866	0.0788		mg/Kg	☼	91	78 - 118

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-132484-2 MSD
Matrix: Solid
Analysis Batch: 385957

Client Sample ID: SSHS-IRM5A2-A2-A59B
Prep Type: Total/NA
Prep Batch: 385959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0423	0.0439		mg/Kg	☼	104	23 - 170	3	35
Benzene	ND		0.0423	0.0424		mg/Kg	☼	100	77 - 120	6	20
2-Butanone (MEK)	ND		0.0423	0.0496		mg/Kg	☼	117	39 - 157	10	33
Carbon tetrachloride	ND		0.0423	0.0401		mg/Kg	☼	95	73 - 130	1	21
Chlorobenzene	ND		0.0423	0.0434		mg/Kg	☼	103	79 - 122	5	20
Chloroform	ND		0.0423	0.0390		mg/Kg	☼	92	73 - 126	7	20
cis-1,2-Dichloroethene	ND		0.0423	0.0443		mg/Kg	☼	105	77 - 118	7	20
1,2-Dichlorobenzene	ND		0.0423	0.0441		mg/Kg	☼	104	76 - 120	8	20
1,3-Dichlorobenzene	ND		0.0423	0.0454		mg/Kg	☼	107	77 - 121	6	20
1,4-Dichlorobenzene	ND		0.0423	0.0441		mg/Kg	☼	104	79 - 120	10	20
1,1-Dichloroethane	ND		0.0423	0.0437		mg/Kg	☼	103	73 - 124	6	20
1,2-Dichloroethane	ND		0.0423	0.0416		mg/Kg	☼	98	64 - 140	8	20
1,1-Dichloroethene	ND		0.0423	0.0454		mg/Kg	☼	107	55 - 136	0	21
1,4-Dioxane	ND		0.846	0.894	J	mg/Kg	☼	106	18 - 166	4	40
Ethylbenzene	ND		0.0423	0.0417		mg/Kg	☼	99	79 - 119	5	20
Methylene Chloride	ND		0.0423	0.0433		mg/Kg	☼	102	67 - 131	3	32
Methyl tert-butyl ether	ND		0.0423	0.0392		mg/Kg	☼	93	58 - 132	7	24
n-Butylbenzene	ND		0.0423	0.0418		mg/Kg	☼	99	64 - 136	4	21
N-Propylbenzene	ND		0.0423	0.0423		mg/Kg	☼	100	71 - 127	6	20
sec-Butylbenzene	ND		0.0423	0.0416		mg/Kg	☼	98	65 - 130	6	20
tert-Butylbenzene	ND		0.0423	0.0417		mg/Kg	☼	99	69 - 133	7	23
Tetrachloroethene	ND	F1	0.0423	0.0519	F1	mg/Kg	☼	123	71 - 121	5	21
Toluene	ND		0.0423	0.0423		mg/Kg	☼	100	76 - 120	4	20
trans-1,2-Dichloroethene	ND		0.0423	0.0435		mg/Kg	☼	103	75 - 122	4	20
1,1,1-Trichloroethane	ND		0.0423	0.0412		mg/Kg	☼	97	72 - 134	4	20
Trichloroethene	ND		0.0423	0.0472		mg/Kg	☼	112	69 - 118	6	20
1,2,4-Trimethylbenzene	ND		0.0423	0.0421		mg/Kg	☼	100	74 - 127	8	20
1,3,5-Trimethylbenzene	ND		0.0423	0.0413		mg/Kg	☼	98	69 - 131	6	20
Vinyl chloride	ND		0.0423	0.0389		mg/Kg	☼	92	64 - 134	8	23
Xylenes, Total	ND		0.0846	0.0812		mg/Kg	☼	96	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*109*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-385646/1-A
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Anthracene	ND		0.0034	0.00087	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		01/20/22 06:31	01/20/22 14:36	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-385646/1-A
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Chrysene	ND		0.0034	0.0019	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Fluorene	ND		0.0034	0.00066	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Phenol	ND		0.017	0.0051	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Pyrene	ND		0.0034	0.00079	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
Pyridine	ND		0.034	0.0090	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		01/20/22 06:31	01/20/22 14:36	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		01/20/22 06:31	01/20/22 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*01/20/22 06:31*	*01/20/22 14:36*	*1*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*01/20/22 06:31*	*01/20/22 14:36*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*01/20/22 06:31*	*01/20/22 14:36*	*1*
Phenol-d5 (Surr)	*79*		*34 - 105*	*01/20/22 06:31*	*01/20/22 14:36*	*1*
Terphenyl-d14 (Surr)	*74*		*20 - 117*	*01/20/22 06:31*	*01/20/22 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*01/20/22 06:31*	*01/20/22 14:36*	*1*

Lab Sample ID: LCS 180-385646/2-A
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.233		mg/Kg		70	41 - 100
Acenaphthylene	0.333	0.240		mg/Kg		72	45 - 100
Anthracene	0.333	0.236		mg/Kg		71	47 - 100
Benzo[a]anthracene	0.333	0.232		mg/Kg		69	47 - 100
Benzo[a]pyrene	0.333	0.238		mg/Kg		71	45 - 101
Benzo[b]fluoranthene	0.333	0.230		mg/Kg		69	44 - 100
Benzo[g,h,i]perylene	0.333	0.231		mg/Kg		69	45 - 103
Benzo[k]fluoranthene	0.333	0.209		mg/Kg		63	43 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-385646/2-A
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	0.333	0.224		mg/Kg		67	44 - 100
Dibenz(a,h)anthracene	0.333	0.239		mg/Kg		72	46 - 107
Dibenzofuran	0.333	0.239		mg/Kg		72	47 - 100
2,4-Dinitrotoluene	0.333	0.249		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.263		mg/Kg		79	10 - 133
Fluoranthene	0.333	0.233		mg/Kg		70	49 - 102
Fluorene	0.333	0.235		mg/Kg		71	46 - 100
Hexachlorobenzene	0.333	0.223		mg/Kg		67	45 - 101
Hexachlorobutadiene	0.333	0.237		mg/Kg		71	38 - 110
Hexachloroethane	0.333	0.235		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.242		mg/Kg		73	48 - 104
2-Methylphenol	0.333	0.228		mg/Kg		68	43 - 101
Methylphenol, 3 & 4	0.333	0.234		mg/Kg		70	43 - 104
Naphthalene	0.333	0.235		mg/Kg		70	43 - 100
Nitrobenzene	0.333	0.238		mg/Kg		71	43 - 107
Pentachlorophenol	0.667	0.429		mg/Kg		64	34 - 112
Phenanthrene	0.333	0.228		mg/Kg		69	46 - 100
Phenol	0.333	0.231		mg/Kg		69	42 - 103
Pyrene	0.333	0.226		mg/Kg		68	44 - 102
Pyridine	0.667	0.483		mg/Kg		72	25 - 109
2,4,5-Trichlorophenol	0.333	0.243		mg/Kg		73	47 - 108
2,4,6-Trichlorophenol	0.333	0.244		mg/Kg		73	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 105*
2-Fluorophenol (Surr)	*74*		*32 - 105*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*65*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 119*

Lab Sample ID: 180-132484-3 MS
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.706	0.503		mg/Kg	☼	71	41 - 100
Acenaphthylene	ND		0.706	0.527		mg/Kg	☼	75	45 - 100
Anthracene	ND		0.706	0.467		mg/Kg	☼	66	47 - 100
Benzo[a]anthracene	ND		0.706	0.516		mg/Kg	☼	73	47 - 100
Benzo[a]pyrene	ND		0.706	0.506		mg/Kg	☼	72	45 - 101
Benzo[b]fluoranthene	0.0020	J	0.706	0.497		mg/Kg	☼	70	44 - 100
Benzo[g,h,i]perylene	0.0016	J	0.706	0.528		mg/Kg	☼	75	45 - 103
Benzo[k]fluoranthene	ND		0.706	0.457		mg/Kg	☼	65	43 - 100
Chrysene	ND		0.706	0.507		mg/Kg	☼	72	44 - 100
Dibenz(a,h)anthracene	ND		0.706	0.530		mg/Kg	☼	75	46 - 107
Dibenzofuran	ND		0.706	0.507		mg/Kg	☼	72	47 - 100
2,4-Dinitrotoluene	ND		0.706	0.545		mg/Kg	☼	77	48 - 106

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132484-3 MS
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		0.706	0.318		mg/Kg	☼	45	10 - 133
Fluoranthene	ND		0.706	0.456		mg/Kg	☼	65	49 - 102
Fluorene	ND		0.706	0.510		mg/Kg	☼	72	46 - 100
Hexachlorobenzene	ND		0.706	0.467		mg/Kg	☼	66	45 - 101
Hexachlorobutadiene	ND		0.706	0.486		mg/Kg	☼	69	38 - 110
Hexachloroethane	ND		0.706	0.454		mg/Kg	☼	64	40 - 100
Indeno[1,2,3-cd]pyrene	ND		0.706	0.537		mg/Kg	☼	76	48 - 104
2-Methylphenol	ND		0.706	0.490		mg/Kg	☼	69	43 - 101
Methylphenol, 3 & 4	ND		0.706	0.489		mg/Kg	☼	69	43 - 104
Naphthalene	ND		0.706	0.482		mg/Kg	☼	68	43 - 100
Nitrobenzene	ND		0.706	0.481		mg/Kg	☼	68	43 - 107
Pentachlorophenol	ND		1.41	0.616		mg/Kg	☼	44	34 - 112
Phenanthrene	ND		0.706	0.456		mg/Kg	☼	65	46 - 100
Phenol	ND		0.706	0.488		mg/Kg	☼	69	42 - 103
Pyrene	ND		0.706	0.504		mg/Kg	☼	71	44 - 102
Pyridine	ND		1.41	0.506		mg/Kg	☼	36	25 - 109
2,4,5-Trichlorophenol	ND		0.706	0.487		mg/Kg	☼	69	47 - 108
2,4,6-Trichlorophenol	ND		0.706	0.515		mg/Kg	☼	73	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*35 - 105*
2-Fluorophenol (Surr)	*73*		*32 - 105*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*
Phenol-d5 (Surr)	*73*		*34 - 105*
Terphenyl-d14 (Surr)	*75*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*71*		*20 - 119*

Lab Sample ID: 180-132484-3 MSD
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.716	0.521		mg/Kg	☼	73	41 - 100	3	22
Acenaphthylene	ND		0.716	0.531		mg/Kg	☼	74	45 - 100	1	23
Anthracene	ND		0.716	0.486		mg/Kg	☼	68	47 - 100	4	26
Benzo[a]anthracene	ND		0.716	0.525		mg/Kg	☼	73	47 - 100	2	24
Benzo[a]pyrene	ND		0.716	0.534		mg/Kg	☼	75	45 - 101	5	21
Benzo[b]fluoranthene	0.0020	J	0.716	0.519		mg/Kg	☼	72	44 - 100	4	26
Benzo[g,h,i]perylene	0.0016	J	0.716	0.548		mg/Kg	☼	76	45 - 103	4	22
Benzo[k]fluoranthene	ND		0.716	0.500		mg/Kg	☼	70	43 - 100	9	18
Chrysene	ND		0.716	0.500		mg/Kg	☼	70	44 - 100	1	26
Dibenz(a,h)anthracene	ND		0.716	0.560		mg/Kg	☼	78	46 - 107	5	24
Dibenzofuran	ND		0.716	0.520		mg/Kg	☼	73	47 - 100	3	19
2,4-Dinitrotoluene	ND		0.716	0.566		mg/Kg	☼	79	48 - 106	4	20
1,4-Dioxane	ND		0.716	0.323		mg/Kg	☼	45	10 - 133	2	40
Fluoranthene	ND		0.716	0.479		mg/Kg	☼	67	49 - 102	5	26
Fluorene	ND		0.716	0.524		mg/Kg	☼	73	46 - 100	3	22
Hexachlorobenzene	ND		0.716	0.477		mg/Kg	☼	67	45 - 101	2	27

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-132484-3 MSD
Matrix: Solid
Analysis Batch: 385701

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		0.716	0.482		mg/Kg	☼	67	38 - 110	1	27
Hexachloroethane	ND		0.716	0.451		mg/Kg	☼	63	40 - 100	1	27
Indeno[1,2,3-cd]pyrene	ND		0.716	0.565		mg/Kg	☼	79	48 - 104	5	22
2-Methylphenol	ND		0.716	0.488		mg/Kg	☼	68	43 - 101	0	27
Methylphenol, 3 & 4	ND		0.716	0.503		mg/Kg	☼	70	43 - 104	3	24
Naphthalene	ND		0.716	0.494		mg/Kg	☼	69	43 - 100	2	28
Nitrobenzene	ND		0.716	0.510		mg/Kg	☼	71	43 - 107	6	28
Pentachlorophenol	ND		1.43	0.645		mg/Kg	☼	45	34 - 112	5	28
Phenanthrene	ND		0.716	0.474		mg/Kg	☼	66	46 - 100	4	27
Phenol	ND		0.716	0.485		mg/Kg	☼	68	42 - 103	1	30
Pyrene	ND		0.716	0.517		mg/Kg	☼	72	44 - 102	3	27
Pyridine	ND		1.43	0.530		mg/Kg	☼	37	25 - 109	5	31
2,4,5-Trichlorophenol	ND		0.716	0.518		mg/Kg	☼	72	47 - 108	6	19
2,4,6-Trichlorophenol	ND		0.716	0.531		mg/Kg	☼	74	47 - 108	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*32 - 105*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*
Phenol-d5 (Surr)	*71*		*34 - 105*
Terphenyl-d14 (Surr)	*75*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-385675/1-C
Matrix: Solid
Analysis Batch: 385934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0083	0.0027	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1221	ND		0.0083	0.0030	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1232	ND		0.0083	0.0020	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1242	ND		0.0083	0.0012	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1248	ND		0.0083	0.0020	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1254	ND		0.0083	0.0025	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1260	ND		0.0083	0.0024	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1262	ND		0.0083	0.0029	mg/Kg		01/21/22 09:00	01/24/22 12:00	1
PCB-1268	ND		0.0083	0.0011	mg/Kg		01/21/22 09:00	01/24/22 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*01/21/22 09:00*	*01/24/22 12:00*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*01/21/22 09:00*	*01/24/22 12:00*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*01/21/22 09:00*	*01/24/22 12:00*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*01/21/22 09:00*	*01/24/22 12:00*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-385675/2-C — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385934 — **Prep Batch: 385675**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.667	0.550		mg/Kg		82	43 - 136		
PCB-1260			0.667	0.573		mg/Kg		86	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Lab Sample ID: 180-132484-3 MS — **Client Sample ID: SSHS-IRM5A2-A2-A59C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386079 — **Prep Batch: 385675**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND	F1	1.42	8.07	F1	mg/Kg	☼	568	43 - 136		
PCB-1260	0.83		1.42	2.67	F1	mg/Kg	☼	129	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*161*	*S1+*	*63 - 138*
DCB Decachlorobiphenyl (Surr)	*194*	*S1+*	*63 - 138*
Tetrachloro-m-xylene (Surr)	*135*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*

Lab Sample ID: 180-132484-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A59C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386079 — **Prep Batch: 385675**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F1	1.39	8.17	F1	mg/Kg	☼	586	43 - 136	1	40
PCB-1260	0.83		1.39	2.32		mg/Kg	☼	106	55 - 128	14	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*161*	*S1+*	*63 - 138*
DCB Decachlorobiphenyl (Surr)	*193*	*S1+*	*63 - 138*
Tetrachloro-m-xylene (Surr)	*137*	*S1+*	*55 - 135*
Tetrachloro-m-xylene (Surr)	*122*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-385692/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386090 — **Prep Batch: 385692**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Barium	ND		20	3.6	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Beryllium	ND		0.40	0.11	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Cadmium	ND		0.50	0.073	mg/Kg		01/20/22 10:51	01/24/22 12:20	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-385692/1-A
Matrix: Solid
Analysis Batch: 386090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50	0.46	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Copper	ND		2.5	1.5	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Lead	ND		1.0	0.87	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Manganese	ND		1.5	0.28	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Nickel	ND		4.0	0.50	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Selenium	ND		1.0	0.46	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Silver	ND		0.50	0.10	mg/Kg		01/20/22 10:51	01/24/22 12:20	1
Zinc	ND		2.0	1.2	mg/Kg		01/20/22 10:51	01/24/22 12:20	1

Lab Sample ID: LCS 180-385692/2-A
Matrix: Solid
Analysis Batch: 386090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120
Barium	100	96.6		mg/Kg		97	80 - 120
Beryllium	50.0	49.8		mg/Kg		100	80 - 120
Cadmium	50.0	48.2		mg/Kg		96	80 - 120
Chromium	50.0	49.2		mg/Kg		98	80 - 120
Copper	50.0	49.0		mg/Kg		98	80 - 120
Lead	50.0	47.7		mg/Kg		95	80 - 120
Manganese	50.0	48.2		mg/Kg		96	80 - 120
Nickel	50.0	47.4		mg/Kg		95	80 - 120
Selenium	100	97.3		mg/Kg		97	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120
Zinc	25.0	23.9		mg/Kg		96	80 - 120

Lab Sample ID: 180-132484-3 MS
Matrix: Solid
Analysis Batch: 386090

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.6		76.1	63.1		mg/Kg	☼	77	75 - 125
Barium	32	F1	76.1	83.7	F1	mg/Kg	☼	67	75 - 125
Beryllium	0.17	J F1	38.1	28.1	F1	mg/Kg	☼	73	75 - 125
Cadmium	0.068	J F1	38.1	28.4	F1	mg/Kg	☼	74	75 - 125
Chromium	5.1	F1	38.1	32.5	F1	mg/Kg	☼	72	75 - 125
Copper	14	F1	38.1	41.8	F1	mg/Kg	☼	73	75 - 125
Lead	6.5	F1	38.1	34.7	F1	mg/Kg	☼	74	75 - 125
Manganese	310	F2	38.1	261	4	mg/Kg	☼	-125	75 - 125
Nickel	9.8	F1	38.1	37.6	F1	mg/Kg	☼	73	75 - 125
Selenium	0.40	J	76.1	58.4		mg/Kg	☼	76	75 - 125
Silver	ND		19.0	14.4		mg/Kg	☼	76	75 - 125
Zinc	38	F2 F1	19.0	46.2	F1	mg/Kg	☼	44	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-132484-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A59C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 386090 — **Prep Batch: 385692**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.6		78.9	65.1		mg/Kg	☼	77	75 - 125	3	20
Barium	32	F1	78.9	91.2		mg/Kg	☼	75	75 - 125	9	20
Beryllium	0.17	J F1	39.5	29.3	F1	mg/Kg	☼	74	75 - 125	4	20
Cadmium	0.068	J F1	39.5	29.4	F1	mg/Kg	☼	74	75 - 125	4	20
Chromium	5.1	F1	39.5	34.0	F1	mg/Kg	☼	73	75 - 125	5	20
Copper	14	F1	39.5	44.7		mg/Kg	☼	77	75 - 125	7	20
Lead	6.5	F1	39.5	37.0		mg/Kg	☼	77	75 - 125	6	20
Manganese	310	F2	39.5	330	4 F2	mg/Kg	☼	53	75 - 125	23	20
Nickel	9.8	F1	39.5	41.1		mg/Kg	☼	80	75 - 125	9	20
Selenium	0.40	J	78.9	61.0		mg/Kg	☼	77	75 - 125	4	20
Silver	ND		19.7	14.9		mg/Kg	☼	75	75 - 125	3	20
Zinc	38	F2 F1	19.7	66.7	F1 F2	mg/Kg	☼	146	75 - 125	36	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-385544/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385674 — **Prep Batch: 385544**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/20/22 05:25	01/20/22 08:06	1

Lab Sample ID: LCS 180-385544/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385674 — **Prep Batch: 385544**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.398		mg/Kg		95	80 - 120

Lab Sample ID: 180-132484-3 MS — **Client Sample ID: SSHS-IRM5A2-A2-A59C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385674 — **Prep Batch: 385544**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.151	0.148		mg/Kg	☼	98	80 - 120

Lab Sample ID: 180-132484-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A59C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385674 — **Prep Batch: 385544**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.153	0.150		mg/Kg	☼	98	80 - 120	1	20

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-385808/1-A
Matrix: Solid
Analysis Batch: 385892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/21/22 10:01	01/22/22 13:51	1

Lab Sample ID: LCSI 180-385808/3-A
Matrix: Solid
Analysis Batch: 385892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385808

Analyte			Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits		
Hexavalent chromium			708	632		mg/Kg		89	80 - 120		

Lab Sample ID: LCSS 180-385808/2-A
Matrix: Solid
Analysis Batch: 385892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385808

Analyte			Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hexavalent chromium			20.0	16.0		mg/Kg		80	80 - 120		

Lab Sample ID: 180-132484-3 MSI
Matrix: Solid
Analysis Batch: 385892

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits		
Hexavalent chromium	ND		775	687		mg/Kg	☼	89	75 - 125		

Lab Sample ID: 180-132484-3 MSS
Matrix: Solid
Analysis Batch: 385892

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hexavalent chromium	ND		21.6	17.0		mg/Kg	☼	79	75 - 125		

Lab Sample ID: 180-132484-3 DU
Matrix: Solid
Analysis Batch: 385892

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385808

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Hexavalent chromium	ND			ND		mg/Kg	☼			NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-385640/4-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/20/22 06:25	01/20/22 08:20	1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: HLCS 180-385640/2-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-385640/3-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	20.9		mg/Kg		90	17 - 163

Lab Sample ID: LLCS 180-385640/1-A
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0490		mg/Kg		98	90 - 110

Lab Sample ID: 180-132484-3 MS
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		4.29	3.92		mg/Kg	☼	91	75 - 125

Lab Sample ID: 180-132484-3 MSD
Matrix: Solid
Analysis Batch: 385670

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 385640

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		4.67	4.31		mg/Kg	☼	92	75 - 125	10	20

Lab Sample ID: MB 180-385862/4-A
Matrix: Solid
Analysis Batch: 385864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/21/22 17:15	01/21/22 18:35	1

Lab Sample ID: HLCS 180-385862/2-A
Matrix: Solid
Analysis Batch: 385864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385862

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.262		mg/Kg		105	90 - 110

Lab Sample ID: LCS 180-385862/3-A
Matrix: Solid
Analysis Batch: 385864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	21.2		mg/Kg		92	17 - 163

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

Method: EPA 9014 - Cyanide

Lab Sample ID: LLCS 180-385862/1-A
Matrix: Solid
Analysis Batch: 385864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385862

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0535		mg/Kg		107	90 - 110

GC/MS VOA

Analysis Batch: 385917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-1	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	EPA 8260C	385928
180-132484-4	SSHS-IRM5A2-A2-A60A	Total/NA	Solid	EPA 8260C	385928
180-132484-5	SSHS-IRM5A2-A2-A60B	Total/NA	Solid	EPA 8260C	385928
180-132484-7	SSHS-IRM5A2-A2-A61A	Total/NA	Solid	EPA 8260C	385928
180-132484-8	SSHS-IRM5A2-A2-A61B	Total/NA	Solid	EPA 8260C	385928
180-132484-10	SSHS-IRM5A2-A2-A62A	Total/NA	Solid	EPA 8260C	385928
180-132484-11	SSHS-IRM5A2-A2-A62B	Total/NA	Solid	EPA 8260C	385928
180-132484-14	SSHS-IRM5A2-A2-A63B	Total/NA	Solid	EPA 8260C	385928
180-132484-16	SSHS-IRM5A2-A2-A64A	Total/NA	Solid	EPA 8260C	385928
180-132484-19	SSHS-IRM5A2-A2-DUP12A	Total/NA	Solid	EPA 8260C	385928
180-132484-20	SSHS-IRM5A2-A2-DUP12B	Total/NA	Solid	EPA 8260C	385928
MB 180-385917/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385917/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-132484-1 MS	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	EPA 8260C	385928
180-132484-1 MSD	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	EPA 8260C	385928

Prep Batch: 385928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-1	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	5035	
180-132484-4	SSHS-IRM5A2-A2-A60A	Total/NA	Solid	5035	
180-132484-5	SSHS-IRM5A2-A2-A60B	Total/NA	Solid	5035	
180-132484-7	SSHS-IRM5A2-A2-A61A	Total/NA	Solid	5035	
180-132484-8	SSHS-IRM5A2-A2-A61B	Total/NA	Solid	5035	
180-132484-10	SSHS-IRM5A2-A2-A62A	Total/NA	Solid	5035	
180-132484-11	SSHS-IRM5A2-A2-A62B	Total/NA	Solid	5035	
180-132484-14	SSHS-IRM5A2-A2-A63B	Total/NA	Solid	5035	
180-132484-16	SSHS-IRM5A2-A2-A64A	Total/NA	Solid	5035	
180-132484-19	SSHS-IRM5A2-A2-DUP12A	Total/NA	Solid	5035	
180-132484-20	SSHS-IRM5A2-A2-DUP12B	Total/NA	Solid	5035	
180-132484-1 MS	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	5035	
180-132484-1 MSD	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	5035	

Analysis Batch: 385957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-2	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	EPA 8260C	385959
180-132484-13	SSHS-IRM5A2-A2-A63A	Total/NA	Solid	EPA 8260C	385959
180-132484-17	SSHS-IRM5A2-A2-A64B	Total/NA	Solid	EPA 8260C	385959
MB 180-385957/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-385957/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-132484-2 MS	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	EPA 8260C	385959
180-132484-2 MSD	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	EPA 8260C	385959

Prep Batch: 385959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-2	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	5035	
180-132484-13	SSHS-IRM5A2-A2-A63A	Total/NA	Solid	5035	
180-132484-17	SSHS-IRM5A2-A2-A64B	Total/NA	Solid	5035	
180-132484-2 MS	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	5035	
180-132484-2 MSD	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	5035	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-1

GC/MS Semi VOA

Prep Batch: 385646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3541	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	3541	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	3541	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	3541	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	3541	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	3541	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	3541	
MB 180-385646/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-385646/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3541	
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3541	

Analysis Batch: 385701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	EPA 8270D LL	385646
MB 180-385646/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	385646
LCS 180-385646/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	385646
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 8270D LL	385646
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 8270D LL	385646

GC Semi VOA

Prep Batch: 385675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3541	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	3541	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	3541	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	3541	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	3541	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	3541	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	3541	
MB 180-385675/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-385675/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3541	
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3541	

Analysis Batch: 385934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	EPA 8082A	385938
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	EPA 8082A	385938
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	EPA 8082A	385938
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	EPA 8082A	385938
MB 180-385675/1-C	Method Blank	Total/NA	Solid	EPA 8082A	385938
LCS 180-385675/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	385938

GC Semi VOA

Cleanup Batch: 385937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3665A	385675
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	3665A	385675
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	3665A	385675
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	3665A	385675
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	3665A	385675
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	3665A	385675
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	3665A	385675
MB 180-385675/1-C	Method Blank	Total/NA	Solid	3665A	385675
LCS 180-385675/2-C	Lab Control Sample	Total/NA	Solid	3665A	385675
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3665A	385675
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3665A	385675

Cleanup Batch: 385938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3660B	385937
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	3660B	385937
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	3660B	385937
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	3660B	385937
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	3660B	385937
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	3660B	385937
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	3660B	385937
MB 180-385675/1-C	Method Blank	Total/NA	Solid	3660B	385937
LCS 180-385675/2-C	Lab Control Sample	Total/NA	Solid	3660B	385937
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3660B	385937
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3660B	385937

Analysis Batch: 386079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 8082A	385938
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	EPA 8082A	385938
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	EPA 8082A	385938
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 8082A	385938
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 8082A	385938

Metals

Prep Batch: 385544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	7471B	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	7471B	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	7471B	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	7471B	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	7471B	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	7471B	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	7471B	
MB 180-385544/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-385544/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	7471B	
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	7471B	

Metals

Analysis Batch: 385674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7471B	385544
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	EPA 7471B	385544
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	EPA 7471B	385544
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	EPA 7471B	385544
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	EPA 7471B	385544
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	EPA 7471B	385544
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	EPA 7471B	385544
MB 180-385544/1-A	Method Blank	Total/NA	Solid	EPA 7471B	385544
LCS 180-385544/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	385544
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7471B	385544
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7471B	385544

Prep Batch: 385692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3050B	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	3050B	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	3050B	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	3050B	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	3050B	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	3050B	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	3050B	
MB 180-385692/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-385692/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3050B	
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3050B	

Analysis Batch: 386090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 6010C	385692
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	EPA 6010C	385692
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	EPA 6010C	385692
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	EPA 6010C	385692
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	EPA 6010C	385692
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	EPA 6010C	385692
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	EPA 6010C	385692
MB 180-385692/1-A	Method Blank	Total/NA	Solid	EPA 6010C	385692
LCS 180-385692/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	385692
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 6010C	385692
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 6010C	385692

General Chemistry

Prep Batch: 385640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	9010C	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	9010C	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	9010C	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	9010C	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	9010C	
MB 180-385640/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-385640/2-A	Lab Control Sample	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 385640 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-385640/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-385640/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	9010C	
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	9010C	

Analysis Batch: 385670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 9014	385640
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	EPA 9014	385640
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	EPA 9014	385640
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	EPA 9014	385640
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	EPA 9014	385640
MB 180-385640/4-A	Method Blank	Total/NA	Solid	EPA 9014	385640
HLCS 180-385640/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
LCS 180-385640/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
LLCS 180-385640/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385640
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 9014	385640
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 9014	385640

Analysis Batch: 385728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-1	SSHS-IRM5A2-A2-A59A	Total/NA	Solid	2540G	
180-132484-2	SSHS-IRM5A2-A2-A59B	Total/NA	Solid	2540G	
180-132484-4	SSHS-IRM5A2-A2-A60A	Total/NA	Solid	2540G	
180-132484-5	SSHS-IRM5A2-A2-A60B	Total/NA	Solid	2540G	
180-132484-7	SSHS-IRM5A2-A2-A61A	Total/NA	Solid	2540G	
180-132484-8	SSHS-IRM5A2-A2-A61B	Total/NA	Solid	2540G	
180-132484-10	SSHS-IRM5A2-A2-A62A	Total/NA	Solid	2540G	
180-132484-11	SSHS-IRM5A2-A2-A62B	Total/NA	Solid	2540G	
180-132484-13	SSHS-IRM5A2-A2-A63A	Total/NA	Solid	2540G	
180-132484-14	SSHS-IRM5A2-A2-A63B	Total/NA	Solid	2540G	
180-132484-16	SSHS-IRM5A2-A2-A64A	Total/NA	Solid	2540G	
180-132484-17	SSHS-IRM5A2-A2-A64B	Total/NA	Solid	2540G	
180-132484-19	SSHS-IRM5A2-A2-DUP12A	Total/NA	Solid	2540G	
180-132484-20	SSHS-IRM5A2-A2-DUP12B	Total/NA	Solid	2540G	

Analysis Batch: 385750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	2540G	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	2540G	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	2540G	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	2540G	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	2540G	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	2540G	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	2540G	

Prep Batch: 385808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3060A	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	3060A	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 385808 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	3060A	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	3060A	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	3060A	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	3060A	
MB 180-385808/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-385808/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-385808/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-132484-3 MSI	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3060A	
180-132484-3 MSS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3060A	
180-132484-3 DU	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	3060A	

Prep Batch: 385862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	9010C	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	9010C	
MB 180-385862/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-385862/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-385862/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-385862/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 385864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	EPA 9014	385862
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	EPA 9014	385862
MB 180-385862/4-A	Method Blank	Total/NA	Solid	EPA 9014	385862
HLCS 180-385862/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385862
LCS 180-385862/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385862
LLCS 180-385862/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	385862

Analysis Batch: 385892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7196A	385808
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	EPA 7196A	385808
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	EPA 7196A	385808
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	EPA 7196A	385808
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	EPA 7196A	385808
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	EPA 7196A	385808
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	EPA 7196A	385808
MB 180-385808/1-A	Method Blank	Total/NA	Solid	EPA 7196A	385808
LCSI 180-385808/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385808
LCSS 180-385808/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	385808
180-132484-3 MSI	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7196A	385808
180-132484-3 MSS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7196A	385808
180-132484-3 DU	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	EPA 7196A	385808

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A59A	1/18/22	1330	G	S	N	Y	X													12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A59B	1/18/22	1330	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A59C	1/18/22	1330	C	S	N	Y		X	X	X	X	X	X	X						10	
SSHS-IRM5A2-A2-A60A	1/18/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A60B	1/18/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A60C	1/18/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A61A	1/18/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A61B	1/18/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A61C	1/18/22	1510	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A62A	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A62B	1/18/22	1500	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mont
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ M

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Muana Stewart	1/18/22 1730			1/19/22 1030	EESTA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-132484 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A62C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A63A	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63B	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A64A	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64B	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64C	1/18/22	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP12A	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12B	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12C	1/18/22	--	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Miranda Stellman	1/18/22 1730			1/19/22 1030	EETAP:H
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A59A	1/18/22	1330	G	S	N	Y	X												12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A59B	1/18/22	1330	G	S	N	Y	X												12	
SSHS-IRM5A2-A2-A59C	1/18/22	1330	C	S	N	Y		X	X	X	X	X	X	X					10	
SSHS-IRM5A2-A2-A60A	1/18/22	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A60B	1/18/22	1430	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A60C	1/18/22	1430	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A61A	1/18/22	1510	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A61B	1/18/22	1510	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A61C	1/18/22	1510	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A62A	1/18/22	1500	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A62B	1/18/22	1500	G	S	N	N	X												4	

180-132484 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Ottelin	1/18/22/1730				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4c

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN08321
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A62C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A63A	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63B	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A64A	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64B	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64C	1/18/22	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP12A	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12B	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12C	1/18/22	--	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Stelly	Date/Time: 1/18/22 1730	Company	Received by:	Date/Time: 1/19/22 1040	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1-4C

Ver: 01/16/2019

1/25/2022

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Tracking # : 7757 6137 6354

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

180-132484 Field Sheet

Job:____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-08 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: N/A

Cooler ID: N/A

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: KW Date: 01/20/2022

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DL Date: 1/20/22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: DL Date: 1/20/22

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 18JAN22
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF MN0832I
INV: 01
PO: 28 DEPT: 1751

FedEx Express

WED - 19 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7757 6137 6354**

XW BLUA

95605
CA-US SMF

RT 362 FZ 1 10:30 F 6354 01.20

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132484-1

Login Number: 132484
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132484-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
1/27/2022 3:20:40 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-132484-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132484-2

Comments
Due to FEDEX shipment delay, the samples were received at the Eurofins Sacramento laboratory on 1/20/2022.

Receipt
The samples were received on 1/19 and 20/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 2.3º C, 2.6º C and 4.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21 *
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132484-3	SSHS-IRM5A2-A2-A59C	Solid	01/18/22 13:30	01/19/22 10:30
180-132484-6	SSHS-IRM5A2-A2-A60C	Solid	01/18/22 14:30	01/19/22 10:30
180-132484-9	SSHS-IRM5A2-A2-A61C	Solid	01/18/22 15:10	01/19/22 10:30
180-132484-12	SSHS-IRM5A2-A2-A62C	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-15	SSHS-IRM5A2-A2-A63C	Solid	01/18/22 15:00	01/19/22 10:30
180-132484-18	SSHS-IRM5A2-A2-A64C	Solid	01/18/22 15:15	01/19/22 10:30
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Solid	01/18/22 00:00	01/19/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A59C
Lab Sample ID: 180-132484-3
Date Collected: 01/18/22 13:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.43 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 06:43	AF	TAL SAC
	Instrument ID: A17									

Client Sample ID: SSHS-IRM5A2-A2-A60C
Lab Sample ID: 180-132484-6
Date Collected: 01/18/22 14:30
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.01 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 07:13	AF	TAL SAC
	Instrument ID: A17									

Client Sample ID: SSHS-IRM5A2-A2-A61C
Lab Sample ID: 180-132484-9
Date Collected: 01/18/22 15:10
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 07:23	AF	TAL SAC
	Instrument ID: A17									

Client Sample ID: SSHS-IRM5A2-A2-A62C
Lab Sample ID: 180-132484-12
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 67.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 07:33	AF	TAL SAC
	Instrument ID: A17									

Client Sample ID: SSHS-IRM5A2-A2-A63C
Lab Sample ID: 180-132484-15
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 07:43	AF	TAL SAC
	Instrument ID: A17									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-2

Client Sample ID: SSHS-IRM5A2-A2-A64C

Lab Sample ID: 180-132484-18

Date Collected: 01/18/22 15:15
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.04 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 07:53	AF	TAL SAC
	Instrument ID: A17									

Client Sample ID: SSHS-IRM5A2-A2-DUP12C

Lab Sample ID: 180-132484-21

Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.32 g	10.0 mL	561006	01/26/22 18:50	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			561039	01/27/22 08:24	AF	TAL SAC
	Instrument ID: A17									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

AF = Ashley Farias

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-2

Client Sample ID: SSHS-IRM5A2-A2-A59C
Date Collected: 01/18/22 13:30
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-3
Matrix: Solid
Percent Solids: 93.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.059**	**J**	0.20	0.045	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	01/26/22 18:50	01/27/22 06:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C2 PFHxA	*88*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C4 PFOA	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C5 PFNA	*83*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C2 PFDA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C2 PFUnA	*86*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C2 PFDoA	*83*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C3 PFBS	*88*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
18O2 PFHxS	*94*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C4 PFOS	*86*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
13C8 FOSA	*92*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:43*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-2

Client Sample ID: SSHS-IRM5A2-A2-A60C
Date Collected: 01/18/22 14:30
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-6
Matrix: Solid
Percent Solids: 87.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.064**	**J**	0.23	0.053	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.061	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorooctanesulfonic acid (PFOS)	**0.051**	**J**	0.23	0.049	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	01/26/22 18:50	01/27/22 07:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C5 PFPeA	*96*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C2 PFHxA	*94*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C4 PFOA	*100*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C5 PFNA	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C2 PFDA	*83*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C2 PFDoA	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C3 PFBS	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
18O2 PFHxS	*93*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C4 PFOS	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
13C8 FOSA	*100*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
d5-NEtFOSAA	*128*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:13*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132484-2

Client Sample ID: SSHS-IRM5A2-A2-A61C
Date Collected: 01/18/22 15:10
Date Received: 01/19/22 10:30

Lab Sample ID: 180-132484-9
Matrix: Solid
Percent Solids: 87.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.36**		0.23	0.052	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorooctanesulfonic acid (PFOS)	**0.076**	**J**	0.23	0.049	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	01/26/22 18:50	01/27/22 07:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C5 PFPeA	*94*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C2 PFHxA	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C4 PFOA	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C5 PFNA	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C2 PFDA	*79*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C2 PFUnA	*85*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C2 PFDoA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C3 PFBS	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
18O2 PFHxS	*93*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C4 PFOS	*88*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
13C8 FOSA	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
d3-NMeFOSAA	*104*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
d5-NEtFOSAA	*125*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*
M2-8:2 FTS	*112*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:23*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A62C
Lab Sample ID: 180-132484-12
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 67.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.11**	**J**	0.29	0.066	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.29	0.059	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.29	0.045	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.29	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorooctanoic acid (PFOA)	ND		0.29	0.076	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorononanoic acid (PFNA)	ND		0.29	0.032	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorodecanoic acid (PFDA)	ND		0.29	0.069	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.29	0.061	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.29	0.043	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.29	0.030	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.29	0.053	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.29	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.29	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.29	0.071	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J**	0.29	0.062	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.29	0.075	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.29	0.048	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.29	0.033	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.29	0.069	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
6:2 FTS	ND		0.29	0.039	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1
8:2 FTS	ND		0.29	0.050	ug/Kg	☼	01/26/22 18:50	01/27/22 07:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C5 PFPeA	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C2 PFHxA	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C4 PFHpA	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C4 PFOA	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C5 PFNA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C2 PFDA	*82*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C2 PFUnA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C2 PFDoA	*85*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C3 PFBS	*78*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
18O2 PFHxS	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C4 PFOS	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
13C8 FOSA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
d5-NEtFOSAA	*125*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:33*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A63C
Lab Sample ID: 180-132484-15
Date Collected: 01/18/22 15:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 91.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.058**	**J**	0.21	0.049	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	01/26/22 18:50	01/27/22 07:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C5 PFPeA	*91*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C2 PFHxA	*83*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C4 PFHpA	*91*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C4 PFOA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C5 PFNA	*86*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C2 PFDA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C2 PFUnA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C2 PFDoA	*85*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C3 PFBS	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
18O2 PFHxS	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C4 PFOS	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
13C8 FOSA	*93*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:43*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A64C
Lab Sample ID: 180-132484-18
Date Collected: 01/18/22 15:15
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 90.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.060**	**J**	0.22	0.050	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	01/26/22 18:50	01/27/22 07:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C5 PFPeA	*94*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C2 PFHxA	*92*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C4 PFOA	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C5 PFNA	*88*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C2 PFDA	*80*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C2 PFUnA	*82*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C2 PFDoA	*86*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C3 PFBS	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
18O2 PFHxS	*100*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C4 PFOS	*96*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
13C8 FOSA	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*01/26/22 18:50*	*01/27/22 07:53*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-DUP12C
Lab Sample ID: 180-132484-21
Date Collected: 01/18/22 00:00
Matrix: Solid
Date Received: 01/19/22 10:30
Percent Solids: 92.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.048**	**J**	0.20	0.047	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	01/26/22 18:50	01/27/22 08:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C2 PFHxA	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C4 PFOA	*91*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C5 PFNA	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C2 PFDA	*79*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C2 PFUnA	*81*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C2 PFDoA	*83*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C3 PFBS	*86*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
18O2 PFHxS	*92*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C4 PFOS	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
13C8 FOSA	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
d5-NEtFOSAA	*117*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*01/26/22 18:50*	*01/27/22 08:24*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-561006/1-A
Matrix: Solid
Analysis Batch: 561039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
6:2 FTS	ND		0.20	0.027	ug/Kg		01/26/22 18:50	01/27/22 06:22	1
8:2 FTS	ND		0.20	0.035	ug/Kg		01/26/22 18:50	01/27/22 06:22	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C5 PFPeA	*99*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C2 PFHxA	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C4 PFHpA	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C4 PFOA	*98*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C5 PFNA	*90*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C2 PFDA	*84*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C2 PFUnA	*89*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C2 PFDoA	*88*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C3 PFBS	*95*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
18O2 PFHxS	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C4 PFOS	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
13C8 FOSA	*97*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
d5-NEtFOSAA	*124*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
M2-6:2 FTS	*113*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*01/26/22 18:50*	*01/27/22 06:22*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-561006/2-A
Matrix: Solid
Analysis Batch: 561039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.12		ug/Kg		106	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.74		ug/Kg		87	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.75		ug/Kg		87	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.78		ug/Kg		89	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.69		ug/Kg		85	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.87		ug/Kg		93	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.74		ug/Kg		87	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.84		ug/Kg		92	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.66		ug/Kg		83	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.69		ug/Kg		84	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.98		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.56		ug/Kg		88	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.57		ug/Kg		86	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.74		ug/Kg		92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.51		ug/Kg		82	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.50		ug/Kg		78	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.86		ug/Kg		93	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.75		ug/Kg		87	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.91		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.79		ug/Kg		94	73 - 139
8:2 FTS	1.92	1.54		ug/Kg		81	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*74*		*25 - 150*
13C5 PFPeA	*91*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*93*		*25 - 150*
13C5 PFNA	*86*		*25 - 150*
13C2 PFDA	*80*		*25 - 150*
13C2 PFUnA	*80*		*25 - 150*
13C2 PFDoA	*86*		*25 - 150*
13C2 PFTeDA	*63*		*25 - 150*
13C3 PFBS	*90*		*25 - 150*
18O2 PFHxS	*96*		*25 - 150*
13C4 PFOS	*93*		*25 - 150*
13C8 FOSA	*90*		*25 - 150*
d3-NMeFOSAA	*99*		*25 - 150*
d5-NEtFOSAA	*109*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-561006/2-A
Matrix: Solid
Analysis Batch: 561039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561006

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	97		25 - 150

Lab Sample ID: 180-132484-3 MS
Matrix: Solid
Analysis Batch: 561039

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 561006

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.059	J	1.98	2.03		ug/Kg	☼	100	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		1.98	1.84		ug/Kg	☼	93	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		1.98	1.79		ug/Kg	☼	90	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		1.98	1.77		ug/Kg	☼	89	71 - 131
Perfluorooctanoic acid (PFOA)	ND		1.98	1.66		ug/Kg	☼	83	72 - 132
Perfluorononanoic acid (PFNA)	ND		1.98	1.81		ug/Kg	☼	91	73 - 133
Perfluorodecanoic acid (PFDA)	ND		1.98	1.75		ug/Kg	☼	88	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		1.98	1.78		ug/Kg	☼	90	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		1.98	1.93		ug/Kg	☼	97	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		1.98	1.69		ug/Kg	☼	85	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		1.98	1.79		ug/Kg	☼	90	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.75	1.51		ug/Kg	☼	86	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.81	1.57		ug/Kg	☼	87	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.89	1.75		ug/Kg	☼	93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.84	1.64		ug/Kg	☼	89	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.91	1.66		ug/Kg	☼	87	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		1.98	1.81		ug/Kg	☼	91	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.98	1.64		ug/Kg	☼	83	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.98	1.84		ug/Kg	☼	92	72 - 132
6:2 FTS	ND		1.88	1.84		ug/Kg	☼	98	73 - 139
8:2 FTS	ND		1.90	1.72		ug/Kg	☼	91	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	78		25 - 150
13C5 PFPeA	100		25 - 150
13C2 PFHxA	93		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	82		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	89		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132484-3 MS
Matrix: Solid
Analysis Batch: 561039

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 561006

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	93		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	101		25 - 150
d3-NMeFOSAA	103		25 - 150
d5-NEtFOSAA	121		25 - 150
M2-6:2 FTS	94		25 - 150
M2-8:2 FTS	93		25 - 150

Lab Sample ID: 180-132484-3 MSD
Matrix: Solid
Analysis Batch: 561039

Client Sample ID: SSHS-IRM5A2-A2-A59C
Prep Type: Total/NA
Prep Batch: 561006

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.059	J	2.12	2.23		ug/Kg	☼	103	76 - 136	9	30
Perfluoropentanoic acid (PFPeA)	ND		2.12	1.89		ug/Kg	☼	89	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	ND		2.12	1.86		ug/Kg	☼	88	71 - 131	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.12	2.01		ug/Kg	☼	95	71 - 131	12	30
Perfluorooctanoic acid (PFOA)	ND		2.12	1.86		ug/Kg	☼	88	72 - 132	11	30
Perfluorononanoic acid (PFNA)	ND		2.12	2.01		ug/Kg	☼	95	73 - 133	10	30
Perfluorodecanoic acid (PFDA)	ND		2.12	1.98		ug/Kg	☼	93	72 - 132	12	30
Perfluoroundecanoic acid (PFUnA)	ND		2.12	1.96		ug/Kg	☼	92	66 - 126	10	30
Perfluorododecanoic acid (PFDoA)	ND		2.12	2.03		ug/Kg	☼	96	71 - 131	5	30
Perfluorotridecanoic acid (PFTriA)	ND		2.12	1.95		ug/Kg	☼	92	71 - 131	14	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.12	2.09		ug/Kg	☼	99	67 - 127	15	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.88	1.62		ug/Kg	☼	86	69 - 129	7	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.93	1.74		ug/Kg	☼	90	62 - 122	11	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.02	2.01		ug/Kg	☼	99	76 - 136	14	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.97	1.67		ug/Kg	☼	85	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.05	1.69		ug/Kg	☼	83	71 - 131	2	30
Perfluorooctanesulfonamide (FOSA)	ND		2.12	1.93		ug/Kg	☼	91	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.12	1.80		ug/Kg	☼	85	72 - 132	9	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.12	1.84		ug/Kg	☼	87	72 - 132	0	30
6:2 FTS	ND		2.01	1.96		ug/Kg	☼	98	73 - 139	6	30
8:2 FTS	ND		2.03	1.82		ug/Kg	☼	89	75 - 135	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	81		25 - 150
13C5 PFPeA	100		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-132484-3 MSD **Client Sample ID: SSHS-IRM5A2-A2-A59C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 561039 **Prep Batch: 561006**

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	93		25 - 150
13C4 PFHpA	93		25 - 150
13C4 PFOA	91		25 - 150
13C5 PFNA	87		25 - 150
13C2 PFDA	81		25 - 150
13C2 PFUnA	82		25 - 150
13C2 PFDoA	85		25 - 150
13C2 PFTeDA	79		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	97		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	99		25 - 150
d3-NMeFOSAA	106		25 - 150
d5-NEtFOSAA	117		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	91		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-132484-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 561006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	SHAKE	
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	SHAKE	
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	SHAKE	
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	SHAKE	
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	SHAKE	
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	SHAKE	
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	SHAKE	
MB 320-561006/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-561006/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	SHAKE	
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	SHAKE	

Analysis Batch: 561039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132484-3	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	537 (modified)	561006
180-132484-6	SSHS-IRM5A2-A2-A60C	Total/NA	Solid	537 (modified)	561006
180-132484-9	SSHS-IRM5A2-A2-A61C	Total/NA	Solid	537 (modified)	561006
180-132484-12	SSHS-IRM5A2-A2-A62C	Total/NA	Solid	537 (modified)	561006
180-132484-15	SSHS-IRM5A2-A2-A63C	Total/NA	Solid	537 (modified)	561006
180-132484-18	SSHS-IRM5A2-A2-A64C	Total/NA	Solid	537 (modified)	561006
180-132484-21	SSHS-IRM5A2-A2-DUP12C	Total/NA	Solid	537 (modified)	561006
MB 320-561006/1-A	Method Blank	Total/NA	Solid	537 (modified)	561006
LCS 320-561006/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	561006
180-132484-3 MS	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	537 (modified)	561006
180-132484-3 MSD	SSHS-IRM5A2-A2-A59C	Total/NA	Solid	537 (modified)	561006

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A59A	1/18/22	1330	G	S	N	Y	X													12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A59B	1/18/22	1330	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A59C	1/18/22	1330	C	S	N	Y		X	X	X	X	X	X	X						10	
SSHS-IRM5A2-A2-A60A	1/18/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A60B	1/18/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A60C	1/18/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A61A	1/18/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A61B	1/18/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A61C	1/18/22	1510	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A62A	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A62B	1/18/22	1500	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mont
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ M

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Muana Stewart	1/18/22 1730			1/19/22 1030	EEATA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-132484 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A62C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A63A	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63B	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A64A	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64B	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64C	1/18/22	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP12A	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12B	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12C	1/18/22	--	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Miranda Stellman	1/18/22 1730			1/19/22 1030	EETAP:H
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A59A	1/18/22	1330	G	S	N	Y	X								12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A59B	1/18/22	1330	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A59C	1/18/22	1330	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A60A	1/18/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A60B	1/18/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A60C	1/18/22	1430	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A61A	1/18/22	1510	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A61B	1/18/22	1510	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A61C	1/18/22	1510	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A62A	1/18/22	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A62B	1/18/22	1500	G	S	N	N	X								4	

180-132484 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Ottelin	1/18/22/1730				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4c

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN08321
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A62C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A63A	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63B	1/18/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A63C	1/18/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A64A	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64B	1/18/22	1515	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A64C	1/18/22	1515	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP12A	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12B	1/18/22	--	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP12C	1/18/22	--	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Miranda Stelly	Date/Time: 1/18/22 1730	Company	Received by:	Date/Time: 1/19/22 1040	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1-4C

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Tracking # : 7757 6137 6354

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other_____

Job:____ 180-132484 Field Sheet

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-08 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: N/A

Cooler ID: N/A

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: KW Date: 01/20/2022

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DL Date: 1/20/22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: DL Date: 1/20/22

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 18JAN22
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF MN0832I
INV: 01
PO: 28 DEPT: 1751

FedEx Express

WED - 19 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7757 6137 6354**

XW BLUA

95605
CA-US **SMF**

RT 362 1 10:30 F 6354 01.20 FZ

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132484-2

Login Number: 132484

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132484-2

Login Number: 132484
List Number: 2
Creator: Her, David A

List Source: Eurofins Sacramento
List Creation: 01/20/22 07:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-132590-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/1/2022 10:57:11 AM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-132590-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-132590-1

Comments
Due to FEDEX shipment delay, the samples were received at the Eurofins Pittsburgh laboratory on 1/22/2022 and at the Eurofins Sacramento laboratory on 1/24/2022.

Receipt
The samples were received on 1/22 and 24/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.8º C, 2.2º C and 3.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-386091 was below criteria for the following analyte: Methyl Tert Butyl Ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-A2-A65D (180-132590-4). The surrogates were diluted out and elevated reporting limits (RLs) are provided.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-386419 (CCV 180-386419/1) was above criteria for aroclor 1254 on column RTX-CLP1 and above criteria for 2 peaks on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 and did not have these peaks included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-132590-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-132590-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132590-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-132590-1	SSHS-IRM5A2-A2-A65A	Solid	01/20/22 14:45	01/22/22 10:30
180-132590-2	SSHS-IRM5A2-A2-A65B	Solid	01/20/22 14:45	01/22/22 10:30
180-132590-3	SSHS-IRM5A2-A2-A65C	Solid	01/20/22 14:45	01/22/22 10:30
180-132590-4	SSHS-IRM5A2-A2-A65D	Solid	01/16/22 12:00	01/22/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132590-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-132590-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A65A — Lab Sample ID: 180-132590-1
Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			386353	01/26/22 14:41	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A65A — Lab Sample ID: 180-132590-1
Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30 — **Percent Solids: 82.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1015 g	5 mL	386120	01/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	386091	01/25/22 17:08	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A65B — Lab Sample ID: 180-132590-2
Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			386070	01/24/22 16:58	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A65B — Lab Sample ID: 180-132590-2
Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30 — **Percent Solids: 63.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9519 g	5 mL	386240	01/26/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	386236	01/26/22 10:02	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A65C — Lab Sample ID: 180-132590-3
Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			386050	01/24/22 13:27	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A65C — Lab Sample ID: 180-132590-3
Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30 — **Percent Solids: 84.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	386217	01/26/22 08:20	CBY	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	386385	01/27/22 11:54	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132590-1

Client Sample ID: SSHS-IRM5A2-A2-A65C

Lab Sample ID: 180-132590-3
Date Collected: 01/20/22 14:45
Matrix: Solid
Date Received: 01/22/22 10:30
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.58 g	100 mL	386066	01/24/22 15:12	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386371	01/26/22 12:06	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.19 g	100 mL	386578	01/28/22 12:07	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			386799	01/31/22 20:07	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	385968	01/24/22 06:58	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			386047	01/24/22 12:00	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.52 g	100 mL	386202	01/25/22 14:03	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	386498	01/27/22 15:41	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	386608	01/28/22 17:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			386613	01/28/22 18:19	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A65D

Lab Sample ID: 180-132590-4
Date Collected: 01/16/22 12:00
Matrix: Solid
Date Received: 01/22/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			386062	01/24/22 15:00	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A65D

Lab Sample ID: 180-132590-4
Date Collected: 01/16/22 12:00
Matrix: Solid
Date Received: 01/22/22 10:30
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	386220	01/26/22 09:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	386415	01/27/22 09:12	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	386417	01/27/22 09:12	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		100			386419	01/27/22 16:38	DFE	TAL PIT
	Instrument ID: CHGC8									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-132590-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RGM = Rebecca Manns
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - DFE = David Eppinger
  - ELS = Edwin Shireman
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - SNR = Sabra Richart
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A65A
Lab Sample ID: 180-132590-1
Date Collected: 01/20/22 14:45 **Matrix: Solid**
Date Received: 01/22/22 10:30 **Percent Solids: 82.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0046	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Benzene	ND		0.0059	0.0017	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
2-Butanone (MEK)	ND		0.0059	0.0030	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Carbon tetrachloride	ND		0.0059	0.0024	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Chlorobenzene	ND		0.0059	0.0015	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Chloroform	ND		0.0059	0.0019	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
cis-1,2-Dichloroethene	ND		0.0059	0.0018	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,2-Dichlorobenzene	ND		0.0059	0.0020	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,3-Dichlorobenzene	ND		0.0059	0.0036	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,4-Dichlorobenzene	ND		0.0059	0.0018	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,1-Dichloroethane	ND		0.0059	0.0019	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,2-Dichloroethane	ND		0.0059	0.0017	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,1-Dichloroethene	ND		0.0059	0.0027	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Ethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Methylene Chloride	ND		0.0059	0.0053	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Methyl tert-butyl ether	ND		0.0059	0.0017	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
n-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
N-Propylbenzene	ND		0.0059	0.0021	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
sec-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
tert-Butylbenzene	ND		0.0059	0.0025	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Tetrachloroethene	ND		0.0059	0.0024	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Toluene	ND		0.0059	0.0017	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
trans-1,2-Dichloroethene	ND		0.0059	0.0021	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,1,1-Trichloroethane	ND		0.0059	0.0020	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Trichloroethene	ND		0.0059	0.0019	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0020	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
1,3,5-Trimethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Vinyl chloride	ND		0.0059	0.0043	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1
Xylenes, Total	ND		0.012	0.0085	mg/Kg	☼	01/25/22 06:00	01/25/22 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*01/25/22 06:00*	*01/25/22 17:08*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*01/25/22 06:00*	*01/25/22 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*01/25/22 06:00*	*01/25/22 17:08*	*1*
Toluene-d8 (Surr)	*128*		*67 - 134*	*01/25/22 06:00*	*01/25/22 17:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.1**		0.1	0.1	%			01/26/22 14:41	1
Percent Solids	**82.9**		0.1	0.1	%			01/26/22 14:41	1

Client Sample ID: SSHS-IRM5A2-A2-A65B
Lab Sample ID: 180-132590-2
Date Collected: 01/20/22 14:45 **Matrix: Solid**
Date Received: 01/22/22 10:30 **Percent Solids: 63.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.032	0.0062	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Benzene	ND		0.0079	0.0022	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1

Client Sample ID: SSHS-IRM5A2-A2-A65B
Lab Sample ID: 180-132590-2
Date Collected: 01/20/22 14:45 **Matrix: Solid**
Date Received: 01/22/22 10:30 **Percent Solids: 63.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0079	0.0040	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Carbon tetrachloride	ND		0.0079	0.0032	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Chlorobenzene	ND		0.0079	0.0021	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Chloroform	ND		0.0079	0.0026	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
cis-1,2-Dichloroethene	ND		0.0079	0.0024	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,2-Dichlorobenzene	ND		0.0079	0.0027	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,3-Dichlorobenzene	ND		0.0079	0.0049	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,4-Dichlorobenzene	ND		0.0079	0.0024	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,1-Dichloroethane	ND		0.0079	0.0025	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,2-Dichloroethane	ND		0.0079	0.0023	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,1-Dichloroethene	ND		0.0079	0.0036	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,4-Dioxane	ND		1.6	0.056	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Ethylbenzene	ND		0.0079	0.0029	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Methylene Chloride	ND		0.0079	0.0072	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Methyl tert-butyl ether	ND		0.0079	0.0023	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
n-Butylbenzene	ND		0.0079	0.0039	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
N-Propylbenzene	ND		0.0079	0.0028	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
sec-Butylbenzene	ND		0.0079	0.0039	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
tert-Butylbenzene	ND		0.0079	0.0034	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Tetrachloroethene	ND		0.0079	0.0032	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Toluene	ND		0.0079	0.0023	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
trans-1,2-Dichloroethene	ND		0.0079	0.0028	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,1,1-Trichloroethane	ND		0.0079	0.0027	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Trichloroethene	ND		0.0079	0.0025	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,2,4-Trimethylbenzene	ND		0.0079	0.0027	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
1,3,5-Trimethylbenzene	ND		0.0079	0.0030	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Vinyl chloride	ND		0.0079	0.0057	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1
Xylenes, Total	ND		0.016	0.011	mg/Kg	☼	01/26/22 06:00	01/26/22 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*01/26/22 06:00*	*01/26/22 10:02*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*01/26/22 06:00*	*01/26/22 10:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*01/26/22 06:00*	*01/26/22 10:02*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*01/26/22 06:00*	*01/26/22 10:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**36.4**		0.1	0.1	%			01/24/22 16:58	1
Percent Solids	**63.6**		0.1	0.1	%			01/24/22 16:58	1

Client Sample ID: SSHS-IRM5A2-A2-A65C
Lab Sample ID: 180-132590-3
Date Collected: 01/20/22 14:45 **Matrix: Solid**
Date Received: 01/22/22 10:30 **Percent Solids: 84.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.011**		0.0079	0.0023	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Acenaphthylene	**0.35**		0.0079	0.0017	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Anthracene	**0.23**		0.0079	0.0020	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Benzo[a]anthracene	**0.41**		0.0079	0.0035	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1

Client Sample ID: SSHS-IRM5A2-A2-A65C **Lab Sample ID: 180-132590-3**
Date Collected: 01/20/22 14:45 **Matrix: Solid**
Date Received: 01/22/22 10:30 **Percent Solids: 84.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.47**		0.0079	0.0034	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Benzo[b]fluoranthene	**0.67**		0.0079	0.0019	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Benzo[g,h,i]perylene	**0.55**		0.0079	0.0017	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Benzo[k]fluoranthene	**0.24**		0.0079	0.0023	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Chrysene	**0.47**		0.0079	0.0043	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Dibenz(a,h)anthracene	**0.13**		0.0079	0.0050	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Dibenzofuran	**0.022**	**J**	0.039	0.014	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
2,4-Dinitrotoluene	ND		0.039	0.023	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Fluoranthene	**0.67**		0.0079	0.0021	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Fluorene	**0.030**		0.0079	0.0015	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Hexachlorobenzene	ND		0.0079	0.0028	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Hexachlorobutadiene	ND		0.0079	0.0023	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Indeno[1,2,3-cd]pyrene	**0.47**		0.0079	0.0039	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Methylphenol, 3 & 4	ND		0.039	0.011	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Naphthalene	**0.072**		0.0079	0.0015	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Phenanthrene	**0.20**		0.0079	0.0021	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Phenol	ND		0.039	0.012	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Pyrene	**0.70**		0.0079	0.0019	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
Pyridine	ND		0.079	0.021	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	01/26/22 08:20	01/27/22 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*01/26/22 08:20*	*01/27/22 11:54*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*01/26/22 08:20*	*01/27/22 11:54*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*01/26/22 08:20*	*01/27/22 11:54*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*01/26/22 08:20*	*01/27/22 11:54*	*1*
Terphenyl-d14 (Surr)	*59*		*20 - 117*	*01/26/22 08:20*	*01/27/22 11:54*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*01/26/22 08:20*	*01/27/22 11:54*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.5**		0.75	0.47	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Barium	**83**		15	2.7	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Beryllium	**0.36**		0.30	0.082	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Cadmium	**0.18**	**J B**	0.38	0.055	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Chromium	**9.5**		0.38	0.34	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Copper	**26**		2.5	1.5	mg/Kg	☼	01/28/22 12:07	01/31/22 20:07	1
Lead	**21**		1.0	0.87	mg/Kg	☼	01/28/22 12:07	01/31/22 20:07	1
Manganese	**360**	**B**	1.1	0.21	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Nickel	**16**		3.0	0.38	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Selenium	**0.62**	**J**	0.75	0.35	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Silver	ND		0.38	0.078	mg/Kg	☼	01/24/22 15:12	01/26/22 12:06	1
Zinc	**55**		2.0	1.2	mg/Kg	☼	01/28/22 12:07	01/31/22 20:07	1

Client Sample ID: SSHS-IRM5A2-A2-A65C — Lab Sample ID: 180-132590-3

Date Collected: 01/20/22 14:45 — **Matrix: Solid**
Date Received: 01/22/22 10:30 — **Percent Solids: 84.2**

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.032	0.020	mg/Kg	☼	01/24/22 06:58	01/24/22 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.8**		0.1	0.1	%			01/24/22 13:27	1
Percent Solids	**84.2**		0.1	0.1	%			01/24/22 13:27	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	01/25/22 14:03	01/27/22 15:41	1
Cyanide, Total	ND		0.52	0.39	mg/Kg	☼	01/28/22 17:00	01/28/22 18:19	1

Client Sample ID: SSHS-IRM5A2-A2-A65D — Lab Sample ID: 180-132590-4

Date Collected: 01/16/22 12:00 — **Matrix: Solid**
Date Received: 01/22/22 10:30 — **Percent Solids: 95.4**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.7	0.55	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1221	ND		1.7	0.60	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1232	ND		1.7	0.41	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1242	ND		1.7	0.25	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1248	**420**		1.7	0.41	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1254	**230**		1.7	0.51	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1260	**5.3**		1.7	0.48	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1262	ND		1.7	0.60	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100
PCB-1268	ND		1.7	0.23	mg/Kg	☼	01/26/22 09:30	01/27/22 16:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*0*	*S1- D*	*63 - 138*	*01/26/22 09:30*	*01/27/22 16:38*	*100*
DCB Decachlorobiphenyl (Surr)	*0*	*S1- D*	*63 - 138*	*01/26/22 09:30*	*01/27/22 16:38*	*100*
Tetrachloro-m-xylene (Surr)	*0*	*S1- D*	*55 - 135*	*01/26/22 09:30*	*01/27/22 16:38*	*100*
Tetrachloro-m-xylene (Surr)	*0*	*S1- D*	*55 - 135*	*01/26/22 09:30*	*01/27/22 16:38*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		0.1	0.1	%			01/24/22 15:00	1
Percent Solids	**95.4**		0.1	0.1	%			01/24/22 15:00	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-386091/5
Matrix: Solid
Analysis Batch: 386091

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/25/22 08:58	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/25/22 08:58	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/25/22 08:58	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/25/22 08:58	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/25/22 08:58	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/25/22 08:58	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/25/22 08:58	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/25/22 08:58	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/25/22 08:58	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/25/22 08:58	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/25/22 08:58	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/25/22 08:58	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/25/22 08:58	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/25/22 08:58	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/25/22 08:58	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/25/22 08:58	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/25/22 08:58	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/25/22 08:58	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/25/22 08:58	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/25/22 08:58	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/25/22 08:58	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/25/22 08:58	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/25/22 08:58	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/25/22 08:58	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/25/22 08:58	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/25/22 08:58	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/25/22 08:58	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/25/22 08:58	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/25/22 08:58	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/25/22 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*		*01/25/22 08:58*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*		*01/25/22 08:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*		*01/25/22 08:58*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*		*01/25/22 08:58*	*1*

Lab Sample ID: LCS 180-386091/3
Matrix: Solid
Analysis Batch: 386091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0397		mg/Kg		99	23 - 170
Benzene	0.0400	0.0377		mg/Kg		94	77 - 120
2-Butanone (MEK)	0.0400	0.0406		mg/Kg		101	39 - 157
Carbon tetrachloride	0.0400	0.0379		mg/Kg		95	73 - 130
Chlorobenzene	0.0400	0.0395		mg/Kg		99	79 - 122
Chloroform	0.0400	0.0348		mg/Kg		87	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-386091/3
Matrix: Solid
Analysis Batch: 386091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0391		mg/Kg		98	77 - 118
1,2-Dichlorobenzene	0.0400	0.0395		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0420		mg/Kg		105	77 - 121
1,4-Dichlorobenzene	0.0400	0.0395		mg/Kg		99	79 - 120
1,1-Dichloroethane	0.0400	0.0393		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0366		mg/Kg		92	64 - 140
1,1-Dichloroethene	0.0400	0.0431		mg/Kg		108	55 - 136
1,4-Dioxane	0.800	0.785	J	mg/Kg		98	18 - 166
Ethylbenzene	0.0400	0.0386		mg/Kg		97	79 - 119
Methylene Chloride	0.0400	0.0396		mg/Kg		99	67 - 131
Methyl tert-butyl ether	0.0400	0.0332		mg/Kg		83	58 - 132
n-Butylbenzene	0.0400	0.0387		mg/Kg		97	64 - 136
N-Propylbenzene	0.0400	0.0397		mg/Kg		99	71 - 127
sec-Butylbenzene	0.0400	0.0387		mg/Kg		97	65 - 130
tert-Butylbenzene	0.0400	0.0391		mg/Kg		98	69 - 133
Tetrachloroethene	0.0400	0.0464		mg/Kg		116	71 - 121
Toluene	0.0400	0.0389		mg/Kg		97	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0409		mg/Kg		102	75 - 122
1,1,1-Trichloroethane	0.0400	0.0381		mg/Kg		95	72 - 134
Trichloroethene	0.0400	0.0419		mg/Kg		105	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0385		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0383		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0380		mg/Kg		95	64 - 134
Xylenes, Total	0.0800	0.0753		mg/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: MB 180-386236/6
Matrix: Solid
Analysis Batch: 386236

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			01/26/22 08:29	1
Benzene	ND		0.0050	0.0014	mg/Kg			01/26/22 08:29	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			01/26/22 08:29	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			01/26/22 08:29	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			01/26/22 08:29	1
Chloroform	ND		0.0050	0.0016	mg/Kg			01/26/22 08:29	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			01/26/22 08:29	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			01/26/22 08:29	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			01/26/22 08:29	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			01/26/22 08:29	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			01/26/22 08:29	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			01/26/22 08:29	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-386236/6
Matrix: Solid
Analysis Batch: 386236

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			01/26/22 08:29	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			01/26/22 08:29	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			01/26/22 08:29	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			01/26/22 08:29	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			01/26/22 08:29	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/26/22 08:29	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			01/26/22 08:29	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			01/26/22 08:29	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			01/26/22 08:29	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			01/26/22 08:29	1
Toluene	ND		0.0050	0.0014	mg/Kg			01/26/22 08:29	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			01/26/22 08:29	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			01/26/22 08:29	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			01/26/22 08:29	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			01/26/22 08:29	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			01/26/22 08:29	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			01/26/22 08:29	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			01/26/22 08:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*		*01/26/22 08:29*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*		*01/26/22 08:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*01/26/22 08:29*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*		*01/26/22 08:29*	*1*

Lab Sample ID: LCS 180-386236/3
Matrix: Solid
Analysis Batch: 386236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0383		mg/Kg		96	23 - 170
Benzene	0.0400	0.0406		mg/Kg		102	77 - 120
2-Butanone (MEK)	0.0400	0.0421		mg/Kg		105	39 - 157
Carbon tetrachloride	0.0400	0.0398		mg/Kg		99	73 - 130
Chlorobenzene	0.0400	0.0385		mg/Kg		96	79 - 122
Chloroform	0.0400	0.0370		mg/Kg		92	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0417		mg/Kg		104	77 - 118
1,2-Dichlorobenzene	0.0400	0.0383		mg/Kg		96	76 - 120
1,3-Dichlorobenzene	0.0400	0.0403		mg/Kg		101	77 - 121
1,4-Dichlorobenzene	0.0400	0.0374		mg/Kg		93	79 - 120
1,1-Dichloroethane	0.0400	0.0418		mg/Kg		105	73 - 124
1,2-Dichloroethane	0.0400	0.0395		mg/Kg		99	64 - 140
1,1-Dichloroethene	0.0400	0.0453		mg/Kg		113	55 - 136
1,4-Dioxane	0.800	0.820	J	mg/Kg		103	18 - 166
Ethylbenzene	0.0400	0.0374		mg/Kg		93	79 - 119
Methylene Chloride	0.0400	0.0414		mg/Kg		104	67 - 131
Methyl tert-butyl ether	0.0400	0.0346		mg/Kg		86	58 - 132
n-Butylbenzene	0.0400	0.0381		mg/Kg		95	64 - 136

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-386236/3
Matrix: Solid
Analysis Batch: 386236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0375		mg/Kg		94	71 - 127
sec-Butylbenzene	0.0400	0.0377		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0384		mg/Kg		96	69 - 133
Tetrachloroethene	0.0400	0.0465		mg/Kg		116	71 - 121
Toluene	0.0400	0.0379		mg/Kg		95	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0417		mg/Kg		104	75 - 122
1,1,1-Trichloroethane	0.0400	0.0399		mg/Kg		100	72 - 134
Trichloroethene	0.0400	0.0447		mg/Kg		112	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0372		mg/Kg		93	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0371		mg/Kg		93	69 - 131
Vinyl chloride	0.0400	0.0398		mg/Kg		99	64 - 134
Xylenes, Total	0.0800	0.0727		mg/Kg		91	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-386236/4
Matrix: Solid
Analysis Batch: 386236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0415		mg/Kg		104	23 - 170	8	35
Benzene	0.0400	0.0405		mg/Kg		101	77 - 120	0	20
2-Butanone (MEK)	0.0400	0.0452		mg/Kg		113	39 - 157	7	33
Carbon tetrachloride	0.0400	0.0386		mg/Kg		96	73 - 130	3	21
Chlorobenzene	0.0400	0.0381		mg/Kg		95	79 - 122	1	20
Chloroform	0.0400	0.0375		mg/Kg		94	73 - 126	1	20
cis-1,2-Dichloroethene	0.0400	0.0427		mg/Kg		107	77 - 118	2	20
1,2-Dichlorobenzene	0.0400	0.0372		mg/Kg		93	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0393		mg/Kg		98	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0370		mg/Kg		92	79 - 120	1	20
1,1-Dichloroethane	0.0400	0.0421		mg/Kg		105	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0393		mg/Kg		98	64 - 140	1	20
1,1-Dichloroethene	0.0400	0.0435		mg/Kg		109	55 - 136	4	21
1,4-Dioxane	0.800	0.828	J	mg/Kg		104	18 - 166	1	40
Ethylbenzene	0.0400	0.0377		mg/Kg		94	79 - 119	1	20
Methylene Chloride	0.0400	0.0419		mg/Kg		105	67 - 131	1	32
Methyl tert-butyl ether	0.0400	0.0366		mg/Kg		91	58 - 132	6	24
n-Butylbenzene	0.0400	0.0358		mg/Kg		90	64 - 136	6	21
N-Propylbenzene	0.0400	0.0366		mg/Kg		91	71 - 127	3	20
sec-Butylbenzene	0.0400	0.0357		mg/Kg		89	65 - 130	5	20
tert-Butylbenzene	0.0400	0.0359		mg/Kg		90	69 - 133	7	23
Tetrachloroethene	0.0400	0.0457		mg/Kg		114	71 - 121	2	21
Toluene	0.0400	0.0379		mg/Kg		95	76 - 120	0	20
trans-1,2-Dichloroethene	0.0400	0.0419		mg/Kg		105	75 - 122	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-386236/4
Matrix: Solid
Analysis Batch: 386236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0400	0.0401		mg/Kg		100	72 - 134	0	20
Trichloroethene			0.0400	0.0440		mg/Kg		110	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0359		mg/Kg		90	74 - 127	4	20
1,3,5-Trimethylbenzene			0.0400	0.0358		mg/Kg		90	69 - 131	4	20
Vinyl chloride			0.0400	0.0395		mg/Kg		99	64 - 134	1	23
Xylenes, Total			0.0800	0.0731		mg/Kg		91	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-386217/1-A
Matrix: Solid
Analysis Batch: 386385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Anthracene	ND		0.0067	0.0017	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Chrysene	ND		0.0067	0.0037	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Fluorene	ND		0.0067	0.0013	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Phenol	ND		0.033	0.010	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Pyrene	ND		0.0067	0.0016	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
Pyridine	ND		0.067	0.018	mg/Kg		01/26/22 08:20	01/27/22 08:28	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		01/26/22 08:20	01/27/22 08:28	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-386217/1-A
Matrix: Solid
Analysis Batch: 386385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		01/26/22 08:20	01/27/22 08:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*01/26/22 08:20*	*01/27/22 08:28*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*01/26/22 08:20*	*01/27/22 08:28*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*01/26/22 08:20*	*01/27/22 08:28*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*01/26/22 08:20*	*01/27/22 08:28*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*01/26/22 08:20*	*01/27/22 08:28*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*	*01/26/22 08:20*	*01/27/22 08:28*	*1*

Lab Sample ID: LCS 180-386217/2-A
Matrix: Solid
Analysis Batch: 386385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.440		mg/Kg		66	41 - 100
Acenaphthylene	0.667	0.454		mg/Kg		68	45 - 100
Anthracene	0.667	0.451		mg/Kg		68	47 - 100
Benzo[a]anthracene	0.667	0.454		mg/Kg		68	47 - 100
Benzo[a]pyrene	0.667	0.447		mg/Kg		67	45 - 101
Benzo[b]fluoranthene	0.667	0.437		mg/Kg		65	44 - 100
Benzo[g,h,i]perylene	0.667	0.452		mg/Kg		68	45 - 103
Benzo[k]fluoranthene	0.667	0.410		mg/Kg		62	43 - 100
Chrysene	0.667	0.437		mg/Kg		66	44 - 100
Dibenz(a,h)anthracene	0.667	0.458		mg/Kg		69	46 - 107
Dibenzofuran	0.667	0.453		mg/Kg		68	47 - 100
2,4-Dinitrotoluene	0.667	0.480		mg/Kg		72	48 - 106
1,4-Dioxane	0.667	0.533		mg/Kg		80	10 - 133
Fluoranthene	0.667	0.451		mg/Kg		68	49 - 102
Fluorene	0.667	0.455		mg/Kg		68	46 - 100
Hexachlorobenzene	0.667	0.451		mg/Kg		68	45 - 101
Hexachlorobutadiene	0.667	0.466		mg/Kg		70	38 - 110
Hexachloroethane	0.667	0.486		mg/Kg		73	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.465		mg/Kg		70	48 - 104
2-Methylphenol	0.667	0.467		mg/Kg		70	43 - 101
Methylphenol, 3 & 4	0.667	0.477		mg/Kg		71	43 - 104
Naphthalene	0.667	0.461		mg/Kg		69	43 - 100
Nitrobenzene	0.667	0.462		mg/Kg		69	43 - 107
Pentachlorophenol	1.33	0.885		mg/Kg		66	34 - 112
Phenanthrene	0.667	0.435		mg/Kg		65	46 - 100
Phenol	0.667	0.462		mg/Kg		69	42 - 103
Pyrene	0.667	0.437		mg/Kg		66	44 - 102
Pyridine	1.33	0.963		mg/Kg		72	25 - 109
2,4,5-Trichlorophenol	0.667	0.464		mg/Kg		70	47 - 108
2,4,6-Trichlorophenol	0.667	0.466		mg/Kg		70	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-386217/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 386385 **Prep Batch: 386217**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	77		32 - 105
Nitrobenzene-d5 (Surr)	74		34 - 109
Phenol-d5 (Surr)	74		34 - 105
Terphenyl-d14 (Surr)	74		20 - 117
2,4,6-Tribromophenol (Surr)	72		20 - 119

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-386220/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 386419 **Prep Batch: 386220**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1221	ND		0.017	0.0059	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1232	ND		0.017	0.0041	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1242	ND		0.017	0.0024	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1248	ND		0.017	0.0040	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1254	ND		0.017	0.0050	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1260	ND		0.017	0.0047	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1262	ND		0.017	0.0059	mg/Kg		01/26/22 09:30	01/27/22 11:59	1
PCB-1268	ND		0.017	0.0022	mg/Kg		01/26/22 09:30	01/27/22 11:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	91		63 - 138	01/26/22 09:30	01/27/22 11:59	1
DCB Decachlorobiphenyl (Surr)	87		63 - 138	01/26/22 09:30	01/27/22 11:59	1
Tetrachloro-m-xylene (Surr)	91		55 - 135	01/26/22 09:30	01/27/22 11:59	1
Tetrachloro-m-xylene (Surr)	89		55 - 135	01/26/22 09:30	01/27/22 11:59	1

Lab Sample ID: LCS 180-386220/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 386419 **Prep Batch: 386220**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.18		mg/Kg		88	43 - 136
PCB-1260	1.33	1.20		mg/Kg		90	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	92		63 - 138
DCB Decachlorobiphenyl (Surr)	88		63 - 138
Tetrachloro-m-xylene (Surr)	107		55 - 135
Tetrachloro-m-xylene (Surr)	93		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-386066/1-A
Matrix: Solid
Analysis Batch: 386371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Barium	ND		20	3.6	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Beryllium	ND		0.40	0.11	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Cadmium	0.108	J	0.50	0.073	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Chromium	ND		0.50	0.46	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Manganese	0.420	J	1.5	0.28	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Nickel	ND		4.0	0.50	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Selenium	ND		1.0	0.46	mg/Kg		01/24/22 15:12	01/26/22 10:13	1
Silver	ND		0.50	0.10	mg/Kg		01/24/22 15:12	01/26/22 10:13	1

Lab Sample ID: LCS 180-386066/2-A
Matrix: Solid
Analysis Batch: 386371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	96.7		mg/Kg		97	80 - 120
Barium	100	94.1		mg/Kg		94	80 - 120
Beryllium	50.0	47.5		mg/Kg		95	80 - 120
Cadmium	50.0	48.2		mg/Kg		96	80 - 120
Chromium	50.0	46.5		mg/Kg		93	80 - 120
Manganese	50.0	46.0		mg/Kg		92	80 - 120
Nickel	50.0	46.3		mg/Kg		93	80 - 120
Selenium	100	90.7		mg/Kg		91	80 - 120
Silver	25.0	23.3		mg/Kg		93	80 - 120

Lab Sample ID: MB 180-386578/1-A
Matrix: Solid
Analysis Batch: 386799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.5	1.5	mg/Kg		01/28/22 12:07	01/31/22 18:31	1
Lead	ND		1.0	0.87	mg/Kg		01/28/22 12:07	01/31/22 18:31	1
Zinc	ND		2.0	1.2	mg/Kg		01/28/22 12:07	01/31/22 18:31	1

Lab Sample ID: LCS 180-386578/2-A
Matrix: Solid
Analysis Batch: 386799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	50.0	48.4		mg/Kg		97	80 - 120
Lead	50.0	44.5		mg/Kg		89	80 - 120
Zinc	25.0	23.5		mg/Kg		94	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-385968/1-A
Matrix: Solid
Analysis Batch: 386047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		01/24/22 06:58	01/24/22 11:50	1

Lab Sample ID: LCS 180-385968/2-A
Matrix: Solid
Analysis Batch: 386047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.417		mg/Kg		100	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-386202/1-A
Matrix: Solid
Analysis Batch: 386498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		01/25/22 14:03	01/27/22 15:16	1

Lab Sample ID: LCSI 180-386202/3-A
Matrix: Solid
Analysis Batch: 386498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386202

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	717		mg/Kg		101	80 - 120

Lab Sample ID: LCSS 180-386202/2-A
Matrix: Solid
Analysis Batch: 386498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386202

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.1		mg/Kg		86	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-386608/4-A
Matrix: Solid
Analysis Batch: 386613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 386608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/28/22 17:00	01/28/22 18:17	1

Lab Sample ID: HLCS 180-386608/2-A
Matrix: Solid
Analysis Batch: 386613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386608

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.247		mg/Kg		99	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-386608/3-A
Matrix: Solid
Analysis Batch: 386613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.2		mg/Kg		83	17 - 163

Lab Sample ID: LLCS 180-386608/1-A
Matrix: Solid
Analysis Batch: 386613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 386608

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0522		mg/Kg		104	90 - 110

Lab Sample ID: 180-132590-3 MS
Matrix: Solid
Analysis Batch: 386613

Client Sample ID: SSHS-IRM5A2-A2-A65C
Prep Type: Total/NA
Prep Batch: 386608

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.40	5.08		mg/Kg	☼	94	75 - 125

Lab Sample ID: 180-132590-3 MSD
Matrix: Solid
Analysis Batch: 386613

Client Sample ID: SSHS-IRM5A2-A2-A65C
Prep Type: Total/NA
Prep Batch: 386608

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.66	5.36		mg/Kg	☼	95	75 - 125	5	20

GC/MS VOA

Analysis Batch: 386091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-1	SSHS-IRM5A2-A2-A65A	Total/NA	Solid	EPA 8260C	386120
MB 180-386091/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-386091/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 386120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-1	SSHS-IRM5A2-A2-A65A	Total/NA	Solid	5035	

Analysis Batch: 386236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-2	SSHS-IRM5A2-A2-A65B	Total/NA	Solid	EPA 8260C	386240
MB 180-386236/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-386236/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-386236/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 386240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-2	SSHS-IRM5A2-A2-A65B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 386217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	3541	
MB 180-386217/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-386217/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 386385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 8270D LL	386217
MB 180-386217/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	386217
LCS 180-386217/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	386217

GC Semi VOA

Prep Batch: 386220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-4	SSHS-IRM5A2-A2-A65D	Total/NA	Solid	3541	
MB 180-386220/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-386220/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 386415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-4	SSHS-IRM5A2-A2-A65D	Total/NA	Solid	3665A	386220

Cleanup Batch: 386417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-4	SSHS-IRM5A2-A2-A65D	Total/NA	Solid	3660B	386415

Analysis Batch: 386419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-4	SSHS-IRM5A2-A2-A65D	Total/NA	Solid	EPA 8082A	386417

GC Semi VOA (Continued)

Analysis Batch: 386419 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-386220/1-A	Method Blank	Total/NA	Solid	EPA 8082A	386220
LCS 180-386220/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	386220

Metals

Prep Batch: 385968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	7471B	
MB 180-385968/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-385968/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 386047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 7471B	385968
MB 180-385968/1-A	Method Blank	Total/NA	Solid	EPA 7471B	385968
LCS 180-385968/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	385968

Prep Batch: 386066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	3050B	
MB 180-386066/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-386066/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 386371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 6010C	386066
MB 180-386066/1-A	Method Blank	Total/NA	Solid	EPA 6010C	386066
LCS 180-386066/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	386066

Prep Batch: 386578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	3050B	
MB 180-386578/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-386578/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 386799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 6010C	386578
MB 180-386578/1-A	Method Blank	Total/NA	Solid	EPA 6010C	386578
LCS 180-386578/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	386578

General Chemistry

Analysis Batch: 386050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	2540G	

Analysis Batch: 386062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-4	SSHS-IRM5A2-A2-A65D	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 386070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-2	SSHS-IRM5A2-A2-A65B	Total/NA	Solid	2540G	

Prep Batch: 386202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	3060A	
MB 180-386202/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-386202/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-386202/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 386353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-1	SSHS-IRM5A2-A2-A65A	Total/NA	Solid	2540G	

Analysis Batch: 386498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 7196A	386202
MB 180-386202/1-A	Method Blank	Total/NA	Solid	EPA 7196A	386202
LCSI 180-386202/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	386202
LCSS 180-386202/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	386202

Prep Batch: 386608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	9010C	
MB 180-386608/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-386608/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-386608/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-386608/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-132590-3 MS	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	9010C	
180-132590-3 MSD	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	9010C	

Analysis Batch: 386613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-132590-3	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 9014	386608
MB 180-386608/4-A	Method Blank	Total/NA	Solid	EPA 9014	386608
HLCS 180-386608/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	386608
LCS 180-386608/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	386608
LLCS 180-386608/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	386608
180-132590-3 MS	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 9014	386608
180-132590-3 MSD	SSHS-IRM5A2-A2-A65C	Total/NA	Solid	EPA 9014	386608

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A59A	1/20/22	1445	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A59B	1/20/22	1445	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A59C	1/20/22	1445	C	S	N	N		X		X	X	X	X	X					5	
SSHS-IRM5A2-A2-A59D	1/16/22	1200	C	S	N	N			X										1	Positive PCBs from field soil screening kit

180-132590 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	J Hobart	1/20/22 1700			1/22/22 1030	EPTAP.T
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A59A	1/20/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A59B	1/20/22	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A59C	1/20/22	1445	C	S	N	N		X		X	X	X	X	X	5	
SSHS-IRM5A2-A2-A59D	1/16/22	1200	C	S	N	N			X						1	Positive PCBs from field soil screening kit

180-132590 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/20/22 1700		[signature]	1-24-22 0920	EETSAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 168836 | Cooler Temperature(s) °C and Other Remarks: 0.8

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes



Job:

Tracking # : 7757 6160 7591

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-02 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel ____ Other ____

Cooler Custody Seal: 1688836

Cooler ID: —

Temp Observed: 0.8 °C Corrected: 0.8 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: NC Date: 1-24-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 1-24-22

Notes:

Trizma Lot #(s):

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 1-24.22

WR3-07C



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 20JAN22
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN08321
INV: 01
PO: 28 DEPT: 1751

56DJ4/F289/FE4A

FedEx Express

FRI - 21 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7757 6160 7591

XW BLUA

95605
CA-US SMF

RT 362 1
FZ 10:30 F
7591
01.24

Custody Seal
DATE SIGNATURE

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1688836

eurofins | Environment Testing TestAmerica
1688836

022

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-132590-1

Login Number: 132590
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133346-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/15/2022 4:14:31 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Job ID: 180-133346-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133346-2

Receipt
The samples were received on 2/9/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.4º C, 2.1º C, 2.5º C, 2.5º C and 2.6º C.

LCMS
Method 537 (modified): The transition mass ratio was outside of the established ratio limit for Perfluoroundecanoic acid (PFUnA) in (CCVL 320-565351/2) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged data is in control in the CCVL, there is no adverse impact to the data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-133346-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-133346-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22 *
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	02-28-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-22 *
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133346-3	SSHS-IRM5A2-A2-A66C	Solid	02/08/22 14:45	02/09/22 10:30
180-133346-6	SSHS-IRM5A2-A2-A67C	Solid	02/08/22 14:20	02/09/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Client Sample ID: SSHS-IRM5A2-A2-A66C

Lab Sample ID: 180-133346-3
Date Collected: 02/08/22 14:45
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.30 g	10.0 mL	564847	02/10/22 11:23	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			565351	02/11/22 13:00	S1M	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A67C

Lab Sample ID: 180-133346-6
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	564847	02/10/22 11:23	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			565351	02/11/22 13:10	S1M	TAL SAC
	Instrument ID: A9									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Client Sample ID: SSHS-IRM5A2-A2-A66C
Date Collected: 02/08/22 14:45
Date Received: 02/09/22 10:30

Lab Sample ID: 180-133346-3
Matrix: Solid
Percent Solids: 86.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	02/10/22 11:23	02/11/22 13:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C5 PFPeA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C2 PFHxA	*97*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C4 PFHpA	*103*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C4 PFOA	*109*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C5 PFNA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C2 PFDA	*111*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C2 PFUnA	*106*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C2 PFDoA	*108*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C2 PFTeDA	*111*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C3 PFBS	*101*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
18O2 PFHxS	*110*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C4 PFOS	*122*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
13C8 FOSA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
M2-6:2 FTS	*126*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*
M2-8:2 FTS	*144*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:00*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Client Sample ID: SSHS-IRM5A2-A2-A67C
Date Collected: 02/08/22 14:20
Date Received: 02/09/22 10:30

Lab Sample ID: 180-133346-6
Matrix: Solid
Percent Solids: 93.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	02/10/22 11:23	02/11/22 13:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C5 PFPeA	*112*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C2 PFHxA	*99*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C4 PFHpA	*109*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C4 PFOA	*118*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C5 PFNA	*115*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C2 PFDA	*118*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C2 PFUnA	*115*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C2 PFDoA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C3 PFBS	*101*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
18O2 PFHxS	*108*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C4 PFOS	*119*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
13C8 FOSA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
d3-NMeFOSAA	*110*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
M2-6:2 FTS	*124*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*
M2-8:2 FTS	*138*		*25 - 150*	*02/10/22 11:23*	*02/11/22 13:10*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-564847/1-A
Matrix: Solid
Analysis Batch: 565351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 564847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/10/22 11:23	02/11/22 10:44	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/10/22 11:23	02/11/22 10:44	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C5 PFPeA	*117*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C2 PFHxA	*102*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C4 PFHpA	*108*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C4 PFOA	*119*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C5 PFNA	*111*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C2 PFDA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C2 PFUnA	*110*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C2 PFDoA	*103*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C3 PFBS	*113*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
18O2 PFHxS	*112*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C4 PFOS	*118*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
13C8 FOSA	*112*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
d3-NMeFOSAA	*103*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
M2-6:2 FTS	*120*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*
M2-8:2 FTS	*110*		*25 - 150*	*02/10/22 11:23*	*02/11/22 10:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-564847/2-A
Matrix: Solid
Analysis Batch: 565351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 564847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.86		ug/Kg		93	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.06		ug/Kg		103	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.01		ug/Kg		100	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.73		ug/Kg		87	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.89		ug/Kg		94	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.86		ug/Kg		93	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		101	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.86		ug/Kg		93	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.84		ug/Kg		92	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.69		ug/Kg		96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.65		ug/Kg		91	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.87		ug/Kg		98	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.60		ug/Kg		86	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.62		ug/Kg		84	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.13		ug/Kg		106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.92		ug/Kg		96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.93		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.70		ug/Kg		90	73 - 139
8:2 FTS	1.92	1.59		ug/Kg		83	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*85*		*25 - 150*
13C5 PFPeA	*108*		*25 - 150*
13C2 PFHxA	*107*		*25 - 150*
13C4 PFHpA	*117*		*25 - 150*
13C4 PFOA	*120*		*25 - 150*
13C5 PFNA	*115*		*25 - 150*
13C2 PFDA	*115*		*25 - 150*
13C2 PFUnA	*100*		*25 - 150*
13C2 PFDoA	*117*		*25 - 150*
13C2 PFTeDA	*115*		*25 - 150*
13C3 PFBS	*104*		*25 - 150*
18O2 PFHxS	*114*		*25 - 150*
13C4 PFOS	*117*		*25 - 150*
13C8 FOSA	*107*		*25 - 150*
d3-NMeFOSAA	*101*		*25 - 150*
d5-NEtFOSAA	*101*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-564847/2-A
Matrix: Solid
Analysis Batch: 565351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 564847

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	120		25 - 150
M2-8:2 FTS	114		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-2

LCMS

Prep Batch: 564847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	SHAKE	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	SHAKE	
MB 320-564847/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-564847/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 565351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	537 (modified)	564847
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	537 (modified)	564847
MB 320-564847/1-A	Method Blank	Total/NA	Solid	537 (modified)	564847
LCS 320-564847/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	564847

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A66A	2/8/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A66B	2/8/22	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A66C	2/8/22	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A67A	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67B	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67C	2/8/22	1420	C	S	N	N		X	X	X	X	X	X	X	5	

180-133346 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	2/8/22 18:00		Received by:	2/9/22 1030 EDT	
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A66A	2/8/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A66B	2/8/22	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A66C	2/8/22	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A67A	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67B	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67C	2/8/22	1420	C	S	N	N		X	X	X	X	X	X	X	5	

180-133346 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/8/22 1800	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time	Company
2.9.22 1120	
Date/Time:	Company
Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1688864 | Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

180-133346 Field Sheet

Tracking # : 7759 6016 6471

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 108 Corr. Factor: (+ / -) NIP °C

Ice G Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1688864

Cooler ID: —

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2-9-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 2-9-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 2-9-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133346-2

Login Number: 133346
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133346-2

Login Number: 133346
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 02/09/22 05:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688864
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133346-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/16/2022 4:38:25 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-133346-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133346-1

Receipt
The samples were received on 2/9/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.4º C, 2.1º C, 2.5º C, 2.5º C and 2.6º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-387785 was below criteria for the following analyte: Vinyl Chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-388138 was above criteria for the following analytes: Pentachlorophenol and 2,4,6-Tribromophenol (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verifications(CCV) analyzed in batch 180-388229 (CCVIS 180-388220/5) was above criteria for aroclor 1260 for 1 peak on column RTX-CLP1 and below criteria for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 did not have these peaks included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-133346-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-133346-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133346-1	SSHS-IRM5A2-A2-A66A	Solid	02/08/22 14:45	02/09/22 10:30
180-133346-2	SSHS-IRM5A2-A2-A66B	Solid	02/08/22 14:45	02/09/22 10:30
180-133346-3	SSHS-IRM5A2-A2-A66C	Solid	02/08/22 14:45	02/09/22 10:30
180-133346-4	SSHS-IRM5A2-A2-A67A	Solid	02/08/22 14:20	02/09/22 10:30
180-133346-5	SSHS-IRM5A2-A2-A67B	Solid	02/08/22 14:20	02/09/22 10:30
180-133346-6	SSHS-IRM5A2-A2-A67C	Solid	02/08/22 14:20	02/09/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-133346-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A66A — Lab Sample ID: 180-133346-1
Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			387879	02/10/22 12:23	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A66A — Lab Sample ID: 180-133346-1
Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30 — **Percent Solids: 89.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0569 g	5 mL	387791	02/10/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	387785	02/10/22 15:22	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A66B — Lab Sample ID: 180-133346-2
Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			387879	02/10/22 12:23	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A66B — Lab Sample ID: 180-133346-2
Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30 — **Percent Solids: 90.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0735 g	5 mL	387791	02/10/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	387785	02/10/22 15:46	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A66C — Lab Sample ID: 180-133346-3
Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			387910	02/10/22 14:38	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A66C — Lab Sample ID: 180-133346-3
Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30 — **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	387805	02/10/22 08:10	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	388138	02/14/22 20:48	VVP	TAL PIT
	Instrument ID: CH71									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

Client Sample ID: SSHS-IRM5A2-A2-A66C

Lab Sample ID: 180-133346-3
Date Collected: 02/08/22 14:45
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	387927	02/10/22 22:55	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	388191	02/14/22 14:30	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	388192	02/14/22 14:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			388229	02/15/22 10:47	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.15 g	100 mL	387865	02/10/22 11:33	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			388091	02/11/22 20:15	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	387773	02/10/22 05:13	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			387856	02/10/22 10:36	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.47 g	100 mL	388050	02/12/22 09:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	388351	02/15/22 14:46	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	388182	02/14/22 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			388394	02/15/22 17:29	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A67A

Lab Sample ID: 180-133346-4
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			387879	02/10/22 12:23	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A67A

Lab Sample ID: 180-133346-4
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9981 g	5 mL	387791	02/10/22 05:45	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	387785	02/10/22 16:09	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A67B

Lab Sample ID: 180-133346-5
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			387879	02/10/22 12:23	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

Client Sample ID: SSHS-IRM5A2-A2-A67B

Lab Sample ID: 180-133346-5
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0481 g	5 mL	388253	02/15/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388232	02/15/22 10:06	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A67C

Lab Sample ID: 180-133346-6
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			387910	02/10/22 14:38	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A67C

Lab Sample ID: 180-133346-6
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	387805	02/10/22 08:10	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	388138	02/14/22 21:10	VVP	TAL PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.3 g	20.0 mL	387927	02/10/22 22:55	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	388191	02/14/22 14:30	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	388192	02/14/22 14:31	DFE	TAL PIT
Total/NA	Analysis	EPA 8082A		1			388229	02/15/22 11:40	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.03 g	100 mL	387865	02/10/22 11:33	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			388091	02/11/22 20:20	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.84 g	100 mL	387773	02/10/22 05:13	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			387856	02/10/22 10:37	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	388050	02/12/22 09:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	388351	02/15/22 14:47	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	388182	02/14/22 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			388394	02/15/22 17:30	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KEM = Kimberly Mahoney
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A66A — Lab Sample ID: 180-133346-1

Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30 — **Percent Solids: 89.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/10/22 05:45	02/10/22 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*02/10/22 05:45*	*02/10/22 15:22*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*02/10/22 05:45*	*02/10/22 15:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*02/10/22 05:45*	*02/10/22 15:22*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*02/10/22 05:45*	*02/10/22 15:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.7		0.1	0.1	%			02/10/22 12:23	1
Percent Solids	89.3		0.1	0.1	%			02/10/22 12:23	1

Client Sample ID: SSHS-IRM5A2-A2-A66B — Lab Sample ID: 180-133346-2

Date Collected: 02/08/22 14:45 — **Matrix: Solid**
Date Received: 02/09/22 10:30 — **Percent Solids: 90.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1

Client Sample ID: SSHS-IRM5A2-A2-A66B
Lab Sample ID: 180-133346-2
Date Collected: 02/08/22 14:45 **Matrix: Solid**
Date Received: 02/09/22 10:30 **Percent Solids: 90.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
cis-1,2-Dichloroethene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,1-Dichloroethane	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	02/10/22 05:45	02/10/22 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*02/10/22 05:45*	*02/10/22 15:46*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*02/10/22 05:45*	*02/10/22 15:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*02/10/22 05:45*	*02/10/22 15:46*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*02/10/22 05:45*	*02/10/22 15:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			02/10/22 12:23	1
Percent Solids	**90.3**		0.1	0.1	%			02/10/22 12:23	1

Client Sample ID: SSHS-IRM5A2-A2-A66C
Lab Sample ID: 180-133346-3
Date Collected: 02/08/22 14:45 **Matrix: Solid**
Date Received: 02/09/22 10:30 **Percent Solids: 86.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0077	0.0022	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Acenaphthylene	**0.0027**	**J**	0.0077	0.0017	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Anthracene	**0.0020**	**J**	0.0077	0.0020	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Benzo[a]anthracene	**0.0062**	**J**	0.0077	0.0035	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1

Client Sample ID: SSHS-IRM5A2-A2-A66C **Lab Sample ID: 180-133346-3**
Date Collected: 02/08/22 14:45 **Matrix: Solid**
Date Received: 02/09/22 10:30 **Percent Solids: 86.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0043**	**J**	0.0077	0.0033	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Benzo[b]fluoranthene	**0.0064**	**J**	0.0077	0.0019	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Benzo[g,h,i]perylene	**0.0044**	**J**	0.0077	0.0017	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Benzo[k]fluoranthene	**0.0034**	**J**	0.0077	0.0023	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Chrysene	**0.0068**	**J**	0.0077	0.0043	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Dibenz(a,h)anthracene	ND		0.0077	0.0049	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
1,4-Dioxane	ND		0.077	0.012	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Fluoranthene	**0.0094**		0.0077	0.0020	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Fluorene	ND		0.0077	0.0015	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Hexachlorobenzene	ND		0.0077	0.0028	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Hexachlorobutadiene	ND		0.0077	0.0022	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Indeno[1,2,3-cd]pyrene	**0.0039**	**J**	0.0077	0.0038	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Naphthalene	**0.0017**	**J**	0.0077	0.0015	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Nitrobenzene	ND		0.077	0.014	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Phenanthrene	**0.0046**	**J**	0.0077	0.0021	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Phenol	ND		0.038	0.012	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Pyrene	**0.012**		0.0077	0.0018	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
Pyridine	ND		0.077	0.021	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
2,4,5-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	02/10/22 08:10	02/14/22 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*02/10/22 08:10*	*02/14/22 20:48*	*1*
2-Fluorophenol (Surr)	*69*		*32 - 105*	*02/10/22 08:10*	*02/14/22 20:48*	*1*
Nitrobenzene-d5 (Surr)	*60*		*34 - 109*	*02/10/22 08:10*	*02/14/22 20:48*	*1*
Phenol-d5 (Surr)	*62*		*34 - 105*	*02/10/22 08:10*	*02/14/22 20:48*	*1*
Terphenyl-d14 (Surr)	*99*		*20 - 117*	*02/10/22 08:10*	*02/14/22 20:48*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*02/10/22 08:10*	*02/14/22 20:48*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0062	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1248	**0.26**		0.019	0.0046	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1254	**0.059**		0.019	0.0058	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1260	ND		0.019	0.0055	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1262	ND		0.019	0.0067	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	02/10/22 22:55	02/15/22 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*02/10/22 22:55*	*02/15/22 10:47*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*02/10/22 22:55*	*02/15/22 10:47*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A66C

Lab Sample ID: 180-133346-3

Date Collected: 02/08/22 14:45
Date Received: 02/09/22 10:30

Matrix: Solid
Percent Solids: 86.3

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*02/10/22 22:55*	*02/15/22 10:47*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*02/10/22 22:55*	*02/15/22 10:47*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		1.0	0.63	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Barium	**40**		20	3.6	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Beryllium	**0.27**	**J**	0.40	0.11	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Cadmium	ND		0.50	0.074	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Chromium	**7.9**		0.50	0.46	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Copper	**17**		2.5	1.5	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Lead	**7.3**		1.0	0.88	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Manganese	**230**		1.5	0.28	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Nickel	**16**		4.0	0.51	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Selenium	ND		1.0	0.46	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Silver	ND		0.50	0.10	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1
Zinc	**44**		2.0	1.2	mg/Kg	☼	02/10/22 11:33	02/11/22 20:15	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.023	mg/Kg	☼	02/10/22 05:13	02/10/22 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.7**		0.1	0.1	%			02/10/22 14:38	1
Percent Solids	**86.3**		0.1	0.1	%			02/10/22 14:38	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	02/12/22 09:30	02/15/22 14:46	1
Cyanide, Total	ND		0.48	0.37	mg/Kg	☼	02/14/22 14:15	02/15/22 17:29	1

Client Sample ID: SSHS-IRM5A2-A2-A67A

Lab Sample ID: 180-133346-4

Date Collected: 02/08/22 14:20
Date Received: 02/09/22 10:30

Matrix: Solid
Percent Solids: 90.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1

Client Sample ID: SSHS-IRM5A2-A2-A67A

Lab Sample ID: 180-133346-4

Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 90.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/10/22 05:45	02/10/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*02/10/22 05:45*	*02/10/22 16:09*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*02/10/22 05:45*	*02/10/22 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*02/10/22 05:45*	*02/10/22 16:09*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*02/10/22 05:45*	*02/10/22 16:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		0.1	0.1	%			02/10/22 12:23	1
Percent Solids	**90.6**		0.1	0.1	%			02/10/22 12:23	1

Client Sample ID: SSHS-IRM5A2-A2-A67B

Lab Sample ID: 180-133346-5

Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 91.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
2-Butanone (MEK)	ND		0.0054	0.0028	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1

Client Sample ID: SSHS-IRM5A2-A2-A67B

Lab Sample ID: 180-133346-5
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 91.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	02/15/22 06:00	02/15/22 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*02/15/22 06:00*	*02/15/22 10:06*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*02/15/22 06:00*	*02/15/22 10:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*02/15/22 06:00*	*02/15/22 10:06*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*02/15/22 06:00*	*02/15/22 10:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			02/10/22 12:23	1
Percent Solids	**91.2**		0.1	0.1	%			02/10/22 12:23	1

Client Sample ID: SSHS-IRM5A2-A2-A67C

Lab Sample ID: 180-133346-6
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 93.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Acenaphthylene	ND		0.0071	0.0016	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Dibenz(a,h)anthracene	ND		0.0071	0.0046	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-133346-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A67C
Lab Sample ID: 180-133346-6
Date Collected: 02/08/22 14:20
Matrix: Solid
Date Received: 02/09/22 10:30
Percent Solids: 93.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Naphthalene	**0.0021**	**J**	0.0071	0.0014	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Phenanthrene	**0.0032**	**J**	0.0071	0.0019	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Phenol	ND		0.035	0.011	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	02/10/22 08:10	02/14/22 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*02/10/22 08:10*	*02/14/22 21:10*	*1*
2-Fluorophenol (Surr)	*76*		*32 - 105*	*02/10/22 08:10*	*02/14/22 21:10*	*1*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*	*02/10/22 08:10*	*02/14/22 21:10*	*1*
Phenol-d5 (Surr)	*68*		*34 - 105*	*02/10/22 08:10*	*02/14/22 21:10*	*1*
Terphenyl-d14 (Surr)	*113*		*20 - 117*	*02/10/22 08:10*	*02/14/22 21:10*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*20 - 119*	*02/10/22 08:10*	*02/14/22 21:10*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1242	ND		0.017	0.0026	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1248	**0.36**		0.017	0.0042	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1254	**0.063**		0.017	0.0052	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	02/10/22 22:55	02/15/22 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*02/10/22 22:55*	*02/15/22 11:40*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*02/10/22 22:55*	*02/15/22 11:40*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*02/10/22 22:55*	*02/15/22 11:40*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*02/10/22 22:55*	*02/15/22 11:40*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		1.0	0.65	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Barium	**33**		21	3.7	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Beryllium	**0.18**	**J**	0.41	0.11	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Cadmium	ND		0.52	0.076	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Chromium	**5.8**		0.52	0.47	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Copper	**16**		2.6	1.6	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Lead	**6.0**		1.0	0.90	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Manganese	**270**		1.6	0.29	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Nickel	**11**		4.1	0.52	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Selenium	ND		1.0	0.48	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

Client Sample ID: SSHS-IRM5A2-A2-A67C
Date Collected: 02/08/22 14:20
Date Received: 02/09/22 10:30

Lab Sample ID: 180-133346-6
Matrix: Solid
Percent Solids: 93.8

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.52	0.11	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1
Zinc	**42**		2.1	1.2	mg/Kg	☼	02/10/22 11:33	02/11/22 20:20	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.025	0.016	mg/Kg	☼	02/10/22 05:13	02/10/22 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.2**		0.1	0.1	%			02/10/22 14:38	1
Percent Solids	**93.8**		0.1	0.1	%			02/10/22 14:38	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	02/12/22 09:30	02/15/22 14:47	1
Cyanide, Total	ND		0.43	0.32	mg/Kg	☼	02/14/22 14:15	02/15/22 17:30	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-387785/6
Matrix: Solid
Analysis Batch: 387785

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/10/22 08:00	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/10/22 08:00	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/10/22 08:00	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/10/22 08:00	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/10/22 08:00	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/10/22 08:00	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/10/22 08:00	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/10/22 08:00	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/10/22 08:00	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/10/22 08:00	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/10/22 08:00	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/10/22 08:00	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/10/22 08:00	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/10/22 08:00	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/10/22 08:00	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/10/22 08:00	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/10/22 08:00	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/10/22 08:00	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/10/22 08:00	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/10/22 08:00	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/10/22 08:00	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/10/22 08:00	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/10/22 08:00	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/10/22 08:00	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/10/22 08:00	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/10/22 08:00	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/10/22 08:00	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/10/22 08:00	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/10/22 08:00	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/10/22 08:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*02/10/22 08:00*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*		*02/10/22 08:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*02/10/22 08:00*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*02/10/22 08:00*	*1*

Lab Sample ID: LCS 180-387785/4
Matrix: Solid
Analysis Batch: 387785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0407		mg/Kg		102	23 - 170
Benzene	0.0400	0.0382		mg/Kg		95	77 - 120
2-Butanone (MEK)	0.0400	0.0453		mg/Kg		113	39 - 157
Carbon tetrachloride	0.0400	0.0361		mg/Kg		90	73 - 130
Chlorobenzene	0.0400	0.0382		mg/Kg		96	79 - 122
Chloroform	0.0400	0.0351		mg/Kg		88	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-387785/4
Matrix: Solid
Analysis Batch: 387785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0393		mg/Kg		98	77 - 118
1,2-Dichlorobenzene	0.0400	0.0374		mg/Kg		94	76 - 120
1,3-Dichlorobenzene	0.0400	0.0385		mg/Kg		96	77 - 121
1,4-Dichlorobenzene	0.0400	0.0374		mg/Kg		93	79 - 120
1,1-Dichloroethane	0.0400	0.0388		mg/Kg		97	73 - 124
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140
1,1-Dichloroethene	0.0400	0.0397		mg/Kg		99	55 - 136
1,4-Dioxane	0.800	0.908	J	mg/Kg		114	18 - 166
Ethylbenzene	0.0400	0.0367		mg/Kg		92	79 - 119
Methylene Chloride	0.0400	0.0399		mg/Kg		100	67 - 131
Methyl tert-butyl ether	0.0400	0.0349		mg/Kg		87	58 - 132
n-Butylbenzene	0.0400	0.0384		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0368		mg/Kg		92	71 - 127
sec-Butylbenzene	0.0400	0.0378		mg/Kg		95	65 - 130
tert-Butylbenzene	0.0400	0.0371		mg/Kg		93	69 - 133
Tetrachloroethene	0.0400	0.0444		mg/Kg		111	71 - 121
Toluene	0.0400	0.0381		mg/Kg		95	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0383		mg/Kg		96	75 - 122
1,1,1-Trichloroethane	0.0400	0.0360		mg/Kg		90	72 - 134
Trichloroethene	0.0400	0.0414		mg/Kg		104	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0374		mg/Kg		94	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0371		mg/Kg		93	69 - 131
Vinyl chloride	0.0400	0.0319		mg/Kg		80	64 - 134
Xylenes, Total	0.0800	0.0732		mg/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Lab Sample ID: MB 180-388232/7
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/15/22 09:43	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/15/22 09:43	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/15/22 09:43	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/15/22 09:43	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/15/22 09:43	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/15/22 09:43	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/15/22 09:43	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/15/22 09:43	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/15/22 09:43	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/15/22 09:43	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/15/22 09:43	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/15/22 09:43	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-388232/7
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/15/22 09:43	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/15/22 09:43	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/15/22 09:43	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/15/22 09:43	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/15/22 09:43	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/15/22 09:43	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/15/22 09:43	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/15/22 09:43	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/15/22 09:43	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/15/22 09:43	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/15/22 09:43	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/15/22 09:43	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/15/22 09:43	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/15/22 09:43	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/15/22 09:43	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/15/22 09:43	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/15/22 09:43	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/15/22 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*		*02/15/22 09:43*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*02/15/22 09:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*		*02/15/22 09:43*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*		*02/15/22 09:43*	*1*

Lab Sample ID: LCS 180-388232/4
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0432		mg/Kg		108	23 - 170
Benzene	0.0400	0.0408		mg/Kg		102	77 - 120
2-Butanone (MEK)	0.0400	0.0421		mg/Kg		105	39 - 157
Carbon tetrachloride	0.0400	0.0371		mg/Kg		93	73 - 130
Chlorobenzene	0.0400	0.0350		mg/Kg		88	79 - 122
Chloroform	0.0400	0.0344		mg/Kg		86	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0407		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0348		mg/Kg		87	76 - 120
1,3-Dichlorobenzene	0.0400	0.0370		mg/Kg		92	77 - 121
1,4-Dichlorobenzene	0.0400	0.0349		mg/Kg		87	79 - 120
1,1-Dichloroethane	0.0400	0.0431		mg/Kg		108	73 - 124
1,2-Dichloroethane	0.0400	0.0371		mg/Kg		93	64 - 140
1,1-Dichloroethene	0.0400	0.0457		mg/Kg		114	55 - 136
1,4-Dioxane	0.800	0.831	J	mg/Kg		104	18 - 166
Ethylbenzene	0.0400	0.0347		mg/Kg		87	79 - 119
Methylene Chloride	0.0400	0.0445		mg/Kg		111	67 - 131
Methyl tert-butyl ether	0.0400	0.0385		mg/Kg		96	58 - 132
n-Butylbenzene	0.0400	0.0374		mg/Kg		93	64 - 136

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-388232/4
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	0.0400	0.0372		mg/Kg		93	71 - 127
sec-Butylbenzene	0.0400	0.0369		mg/Kg		92	65 - 130
tert-Butylbenzene	0.0400	0.0365		mg/Kg		91	69 - 133
Tetrachloroethene	0.0400	0.0418		mg/Kg		105	71 - 121
Toluene	0.0400	0.0381		mg/Kg		95	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0421		mg/Kg		105	75 - 122
1,1,1-Trichloroethane	0.0400	0.0382		mg/Kg		95	72 - 134
Trichloroethene	0.0400	0.0400		mg/Kg		100	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0371		mg/Kg		93	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0367		mg/Kg		92	69 - 131
Vinyl chloride	0.0400	0.0394		mg/Kg		99	64 - 134
Xylenes, Total	0.0800	0.0684		mg/Kg		86	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-388232/5
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0440		mg/Kg		110	23 - 170	2	35
Benzene	0.0400	0.0417		mg/Kg		104	77 - 120	2	20
2-Butanone (MEK)	0.0400	0.0434		mg/Kg		108	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0374		mg/Kg		93	73 - 130	1	21
Chlorobenzene	0.0400	0.0345		mg/Kg		86	79 - 122	2	20
Chloroform	0.0400	0.0354		mg/Kg		88	73 - 126	3	20
cis-1,2-Dichloroethene	0.0400	0.0419		mg/Kg		105	77 - 118	3	20
1,2-Dichlorobenzene	0.0400	0.0351		mg/Kg		88	76 - 120	1	20
1,3-Dichlorobenzene	0.0400	0.0372		mg/Kg		93	77 - 121	1	20
1,4-Dichlorobenzene	0.0400	0.0351		mg/Kg		88	79 - 120	1	20
1,1-Dichloroethane	0.0400	0.0436		mg/Kg		109	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0367		mg/Kg		92	64 - 140	1	20
1,1-Dichloroethene	0.0400	0.0472		mg/Kg		118	55 - 136	3	21
1,4-Dioxane	0.800	0.820	J	mg/Kg		103	18 - 166	1	40
Ethylbenzene	0.0400	0.0345		mg/Kg		86	79 - 119	1	20
Methylene Chloride	0.0400	0.0469		mg/Kg		117	67 - 131	5	32
Methyl tert-butyl ether	0.0400	0.0404		mg/Kg		101	58 - 132	5	24
n-Butylbenzene	0.0400	0.0371		mg/Kg		93	64 - 136	1	21
N-Propylbenzene	0.0400	0.0364		mg/Kg		91	71 - 127	2	20
sec-Butylbenzene	0.0400	0.0364		mg/Kg		91	65 - 130	1	20
tert-Butylbenzene	0.0400	0.0364		mg/Kg		91	69 - 133	0	23
Tetrachloroethene	0.0400	0.0415		mg/Kg		104	71 - 121	1	21
Toluene	0.0400	0.0374		mg/Kg		93	76 - 120	2	20
trans-1,2-Dichloroethene	0.0400	0.0431		mg/Kg		108	75 - 122	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-388232/5
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0400	0.0391		mg/Kg		98	72 - 134	2	20
Trichloroethene			0.0400	0.0395		mg/Kg		99	69 - 118	1	20
1,2,4-Trimethylbenzene			0.0400	0.0364		mg/Kg		91	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0361		mg/Kg		90	69 - 131	2	20
Vinyl chloride			0.0400	0.0362		mg/Kg		90	64 - 134	9	23
Xylenes, Total			0.0800	0.0678		mg/Kg		85	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-387805/1-A
Matrix: Solid
Analysis Batch: 388138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Anthracene	ND		0.0034	0.00087	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Chrysene	ND		0.0034	0.0019	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Fluorene	ND		0.0034	0.00066	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Phenol	ND		0.017	0.0051	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Pyrene	ND		0.0034	0.00079	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
Pyridine	ND		0.034	0.0090	mg/Kg		02/10/22 08:10	02/14/22 13:42	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		02/10/22 08:10	02/14/22 13:42	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-387805/1-A
Matrix: Solid
Analysis Batch: 388138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		02/10/22 08:10	02/14/22 13:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*02/10/22 08:10*	*02/14/22 13:42*	*1*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*02/10/22 08:10*	*02/14/22 13:42*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*02/10/22 08:10*	*02/14/22 13:42*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*02/10/22 08:10*	*02/14/22 13:42*	*1*
Terphenyl-d14 (Surr)	*98*		*20 - 117*	*02/10/22 08:10*	*02/14/22 13:42*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*20 - 119*	*02/10/22 08:10*	*02/14/22 13:42*	*1*

Lab Sample ID: LCS 180-387805/2-A
Matrix: Solid
Analysis Batch: 388138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.245		mg/Kg		74	41 - 100
Acenaphthylene	0.333	0.237		mg/Kg		71	45 - 100
Anthracene	0.333	0.287		mg/Kg		86	47 - 100
Benzo[a]anthracene	0.333	0.277		mg/Kg		83	47 - 100
Benzo[a]pyrene	0.333	0.201		mg/Kg		60	45 - 101
Benzo[b]fluoranthene	0.333	0.212		mg/Kg		64	44 - 100
Benzo[g,h,i]perylene	0.333	0.216		mg/Kg		65	45 - 103
Benzo[k]fluoranthene	0.333	0.232		mg/Kg		70	43 - 100
Chrysene	0.333	0.263		mg/Kg		79	44 - 100
Dibenz(a,h)anthracene	0.333	0.213		mg/Kg		64	46 - 107
Dibenzofuran	0.333	0.249		mg/Kg		75	47 - 100
2,4-Dinitrotoluene	0.333	0.274		mg/Kg		82	48 - 106
1,4-Dioxane	0.333	0.275		mg/Kg		82	10 - 133
Fluoranthene	0.333	0.289		mg/Kg		87	49 - 102
Fluorene	0.333	0.251		mg/Kg		75	46 - 100
Hexachlorobenzene	0.333	0.278		mg/Kg		83	45 - 101
Hexachlorobutadiene	0.333	0.267		mg/Kg		80	38 - 110
Hexachloroethane	0.333	0.244		mg/Kg		73	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.213		mg/Kg		64	48 - 104
2-Methylphenol	0.333	0.221		mg/Kg		66	43 - 101
Methylphenol, 3 & 4	0.333	0.213		mg/Kg		64	43 - 104
Naphthalene	0.333	0.249		mg/Kg		75	43 - 100
Nitrobenzene	0.333	0.220		mg/Kg		66	43 - 107
Pentachlorophenol	0.667	0.566		mg/Kg		85	34 - 112
Phenanthrene	0.333	0.275		mg/Kg		83	46 - 100
Phenol	0.333	0.216		mg/Kg		65	42 - 103
Pyrene	0.333	0.293		mg/Kg		88	44 - 102
Pyridine	0.667	0.474		mg/Kg		71	25 - 109
2,4,5-Trichlorophenol	0.333	0.268		mg/Kg		80	47 - 108
2,4,6-Trichlorophenol	0.333	0.280		mg/Kg		84	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*35 - 105*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-387805/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 388138 **Prep Batch: 387805**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	78		32 - 105
Nitrobenzene-d5 (Surr)	68		34 - 109
Phenol-d5 (Surr)	67		34 - 105
Terphenyl-d14 (Surr)	97		20 - 117
2,4,6-Tribromophenol (Surr)	96		20 - 119

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-387927/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 388229 **Prep Batch: 387927**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1221	ND		0.017	0.0059	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1232	ND		0.017	0.0041	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1242	ND		0.017	0.0024	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1248	ND		0.017	0.0040	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1254	ND		0.017	0.0050	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1260	ND		0.017	0.0047	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1262	ND		0.017	0.0059	mg/Kg		02/10/22 22:55	02/15/22 10:09	1
PCB-1268	ND		0.017	0.0022	mg/Kg		02/10/22 22:55	02/15/22 10:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	104		63 - 138	02/10/22 22:55	02/15/22 10:09	1
DCB Decachlorobiphenyl (Surr)	95		63 - 138	02/10/22 22:55	02/15/22 10:09	1
Tetrachloro-m-xylene (Surr)	87		55 - 135	02/10/22 22:55	02/15/22 10:09	1
Tetrachloro-m-xylene (Surr)	93		55 - 135	02/10/22 22:55	02/15/22 10:09	1

Lab Sample ID: LCS 180-387927/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 388229 **Prep Batch: 387927**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.13		mg/Kg		85	43 - 136		
PCB-1260			1.33	1.26		mg/Kg		95	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	107		63 - 138
DCB Decachlorobiphenyl (Surr)	96		63 - 138
Tetrachloro-m-xylene (Surr)	90		55 - 135
Tetrachloro-m-xylene (Surr)	95		55 - 135

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-133346-3 MS
Matrix: Solid
Analysis Batch: 388229

Client Sample ID: SSHS-IRM5A2-A2-A66C
Prep Type: Total/NA
Prep Batch: 387927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1.51	1.54		mg/Kg	☼	101	43 - 136
PCB-1260	ND		1.51	1.56		mg/Kg	☼	103	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Lab Sample ID: 180-133346-3 MSD
Matrix: Solid
Analysis Batch: 388229

Client Sample ID: SSHS-IRM5A2-A2-A66C
Prep Type: Total/NA
Prep Batch: 387927

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.51	1.73		mg/Kg	☼	114	43 - 136	12	40
PCB-1260	ND		1.51	1.67		mg/Kg	☼	111	55 - 128	7	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-387865/1-A
Matrix: Solid
Analysis Batch: 388091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Barium	ND		20	3.6	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Beryllium	ND		0.40	0.11	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Cadmium	ND		0.50	0.073	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Chromium	ND		0.50	0.46	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Copper	ND		2.5	1.5	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Lead	ND		1.0	0.87	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Manganese	ND		1.5	0.28	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Nickel	ND		4.0	0.50	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Selenium	ND		1.0	0.46	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Silver	ND		0.50	0.10	mg/Kg		02/10/22 11:33	02/11/22 19:07	1
Zinc	ND		2.0	1.2	mg/Kg		02/10/22 11:33	02/11/22 19:07	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-387865/2-A
Matrix: Solid
Analysis Batch: 388091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	99.0		mg/Kg		99	80 - 120
Barium	100	98.0		mg/Kg		98	80 - 120
Beryllium	50.0	50.8		mg/Kg		102	80 - 120
Cadmium	50.0	49.3		mg/Kg		99	80 - 120
Chromium	50.0	49.3		mg/Kg		99	80 - 120
Copper	50.0	48.3		mg/Kg		97	80 - 120
Lead	50.0	47.7		mg/Kg		95	80 - 120
Manganese	50.0	48.4		mg/Kg		97	80 - 120
Nickel	50.0	49.0		mg/Kg		98	80 - 120
Selenium	100	94.8		mg/Kg		95	80 - 120
Silver	25.0	24.1		mg/Kg		96	80 - 120
Zinc	25.0	24.7		mg/Kg		99	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-387773/1-A
Matrix: Solid
Analysis Batch: 387856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		02/10/22 05:13	02/10/22 10:13	1

Lab Sample ID: LCS 180-387773/2-A
Matrix: Solid
Analysis Batch: 387856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.409		mg/Kg		98	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-133346-3 DU
Matrix: Solid
Analysis Batch: 387910

Client Sample ID: SSHS-IRM5A2-A2-A66C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.7		13.1		%		5	10
Percent Solids	86.3		86.9		%		0.7	10

Lab Sample ID: 180-133346-6 DU
Matrix: Solid
Analysis Batch: 387910

Client Sample ID: SSHS-IRM5A2-A2-A67C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.2		6.1		%		2	10
Percent Solids	93.8		93.9		%		0.1	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-388050/1-A
Matrix: Solid
Analysis Batch: 388351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		02/12/22 09:30	02/15/22 14:13	1

Lab Sample ID: LCSI 180-388050/3-A
Matrix: Solid
Analysis Batch: 388351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388050

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	678		mg/Kg		96	80 - 120

Lab Sample ID: LCSS 180-388050/2-A
Matrix: Solid
Analysis Batch: 388351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388050

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.0		mg/Kg		85	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-388182/4-A
Matrix: Solid
Analysis Batch: 388394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		02/14/22 14:15	02/15/22 17:13	1

Lab Sample ID: HLCS 180-388182/2-A
Matrix: Solid
Analysis Batch: 388394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388182

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.260		mg/Kg		104	90 - 110

Lab Sample ID: LCS 180-388182/3-A
Matrix: Solid
Analysis Batch: 388394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	26.3		mg/Kg		114	17 - 163

Lab Sample ID: LLCS 180-388182/1-A
Matrix: Solid
Analysis Batch: 388394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388182

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0496		mg/Kg		99	90 - 110

GC/MS VOA

Analysis Batch: 387785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-1	SSHS-IRM5A2-A2-A66A	Total/NA	Solid	EPA 8260C	387791
180-133346-2	SSHS-IRM5A2-A2-A66B	Total/NA	Solid	EPA 8260C	387791
180-133346-4	SSHS-IRM5A2-A2-A67A	Total/NA	Solid	EPA 8260C	387791
MB 180-387785/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-387785/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 387791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-1	SSHS-IRM5A2-A2-A66A	Total/NA	Solid	5035	
180-133346-2	SSHS-IRM5A2-A2-A66B	Total/NA	Solid	5035	
180-133346-4	SSHS-IRM5A2-A2-A67A	Total/NA	Solid	5035	

Analysis Batch: 388232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-5	SSHS-IRM5A2-A2-A67B	Total/NA	Solid	EPA 8260C	388253
MB 180-388232/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-388232/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-388232/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 388253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-5	SSHS-IRM5A2-A2-A67B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 387805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3541	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	3541	
MB 180-387805/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-387805/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 388138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 8270D LL	387805
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	EPA 8270D LL	387805
MB 180-387805/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	387805
LCS 180-387805/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	387805

GC Semi VOA

Prep Batch: 387927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3541	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	3541	
MB 180-387927/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-387927/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-133346-3 MS	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3541	
180-133346-3 MSD	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3541	

GC Semi VOA

Cleanup Batch: 388191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3665A	387927
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	3665A	387927
180-133346-3 MS	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3665A	387927
180-133346-3 MSD	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3665A	387927

Cleanup Batch: 388192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3660B	388191
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	3660B	388191
180-133346-3 MS	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3660B	388191
180-133346-3 MSD	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3660B	388191

Analysis Batch: 388229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 8082A	388192
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	EPA 8082A	388192
MB 180-387927/1-A	Method Blank	Total/NA	Solid	EPA 8082A	387927
LCS 180-387927/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	387927
180-133346-3 MS	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 8082A	388192
180-133346-3 MSD	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 8082A	388192

Metals

Prep Batch: 387773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	7471B	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	7471B	
MB 180-387773/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-387773/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 387856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 7471B	387773
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	EPA 7471B	387773
MB 180-387773/1-A	Method Blank	Total/NA	Solid	EPA 7471B	387773
LCS 180-387773/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	387773

Prep Batch: 387865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3050B	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	3050B	
MB 180-387865/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-387865/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 388091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 6010C	387865
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	EPA 6010C	387865
MB 180-387865/1-A	Method Blank	Total/NA	Solid	EPA 6010C	387865
LCS 180-387865/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	387865

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133346-1

General Chemistry

Analysis Batch: 387879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-1	SSHS-IRM5A2-A2-A66A	Total/NA	Solid	2540G	
180-133346-2	SSHS-IRM5A2-A2-A66B	Total/NA	Solid	2540G	
180-133346-4	SSHS-IRM5A2-A2-A67A	Total/NA	Solid	2540G	
180-133346-5	SSHS-IRM5A2-A2-A67B	Total/NA	Solid	2540G	

Analysis Batch: 387910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	2540G	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	2540G	
180-133346-3 DU	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	2540G	
180-133346-6 DU	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	2540G	

Prep Batch: 388050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	3060A	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	3060A	
MB 180-388050/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-388050/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-388050/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 388182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	9010C	
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	9010C	
MB 180-388182/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-388182/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-388182/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-388182/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 388351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 7196A	388050
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	EPA 7196A	388050
MB 180-388050/1-A	Method Blank	Total/NA	Solid	EPA 7196A	388050
LCSI 180-388050/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	388050
LCSS 180-388050/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	388050

Analysis Batch: 388394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133346-3	SSHS-IRM5A2-A2-A66C	Total/NA	Solid	EPA 9014	388182
180-133346-6	SSHS-IRM5A2-A2-A67C	Total/NA	Solid	EPA 9014	388182
MB 180-388182/4-A	Method Blank	Total/NA	Solid	EPA 9014	388182
HLCS 180-388182/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388182
LCS 180-388182/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388182
LLCS 180-388182/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388182

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A66A	2/8/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A66B	2/8/22	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A66C	2/8/22	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A67A	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67B	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67C	2/8/22	1420	C	S	N	N		X	X	X	X	X	X	X	5	

180-133346 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	2/8/22 18:00		Received by:	2/9/22 1030	
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A66A	2/8/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A66B	2/8/22	1445	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A66C	2/8/22	1445	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A67A	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67B	2/8/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A67C	2/8/22	1420	C	S	N	N		X	X	X	X	X	X	X	5	

180-133346 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/8/22 1800	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time	Company
2.9.22 1120	
Date/Time:	Company
Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1688864 | Cooler Temperature(s) °C and Other Remarks: 1.4

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-133346 Field Sheet

Tracking # : 7759 6016 6471

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 108 Corr. Factor: (+ / -) NIP °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1688864

Cooler ID: —

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2-9-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 2-9-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 2-9-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133346-1

Login Number: 133346
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133533-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/17/2022 2:29:46 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Job ID: 180-133533-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133533-1

Receipt
The samples were received on 2/11/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 3.4º C and 4.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-388416 (CCVIS 180-388416/26) was above criteria for aroclor 1260 on column RTX-CLP1 and above criteria for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-133533-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-133533-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133533-1	SSHS-IRM5A2-A2-A68A	Solid	02/10/22 16:30	02/11/22 09:30
180-133533-2	SSHS-IRM5A2-A2-A68B	Solid	02/10/22 16:30	02/11/22 09:30
180-133533-3	SSHS-IRM5A2-A2-A68C	Solid	02/10/22 16:30	02/11/22 09:30
180-133533-4	SSHS-IRM5A2-A2-A69A	Solid	02/10/22 16:45	02/11/22 09:30
180-133533-5	SSHS-IRM5A2-A2-A69B	Solid	02/10/22 16:45	02/11/22 09:30
180-133533-6	SSHS-IRM5A2-A2-A69C	Solid	02/10/22 16:45	02/11/22 09:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Client Sample ID: SSHS-IRM5A2-A2-A68A
Lab Sample ID: 180-133533-1
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388387	02/15/22 16:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A68A
Lab Sample ID: 180-133533-1
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3558 g	5 mL	388305	02/15/22 10:00	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388234	02/15/22 12:21	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A68B
Lab Sample ID: 180-133533-2
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388190	02/14/22 14:16	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A68B
Lab Sample ID: 180-133533-2
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1545 g	5 mL	388305	02/15/22 10:00	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388234	02/15/22 12:49	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A68C
Lab Sample ID: 180-133533-3
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388387	02/15/22 16:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A68C
Lab Sample ID: 180-133533-3
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	388211	02/14/22 19:23	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	388411	02/16/22 13:48	VVP	TAL PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Client Sample ID: SSHS-IRM5A2-A2-A68C
Lab Sample ID: 180-133533-3
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	388215	02/14/22 23:16	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	388329	02/15/22 12:10	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	388330	02/15/22 12:11	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			388416	02/16/22 18:05	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.77 g	100 mL	388070	02/12/22 13:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			388223	02/14/22 18:49	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			1.08 g	100 mL	388128	02/14/22 09:15	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			388197	02/14/22 14:14	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.55 g	100 mL	388050	02/12/22 09:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	388351	02/15/22 14:48	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.56 g	10 mL	388376	02/15/22 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			388406	02/15/22 20:34	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A69A
Lab Sample ID: 180-133533-4
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388190	02/14/22 14:16	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A69A
Lab Sample ID: 180-133533-4
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3735 g	5 mL	388305	02/15/22 10:00	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388234	02/15/22 16:38	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A69B
Lab Sample ID: 180-133533-5
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388387	02/15/22 16:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Client Sample ID: SSHS-IRM5A2-A2-A69B

Lab Sample ID: 180-133533-5
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5885 g	5 mL	388305	02/15/22 10:00	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388234	02/15/22 17:06	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A69C

Lab Sample ID: 180-133533-6
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388190	02/14/22 14:16	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A69C

Lab Sample ID: 180-133533-6
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	388211	02/14/22 19:23	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	388411	02/16/22 14:10	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	388215	02/14/22 23:16	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	388329	02/15/22 12:10	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	388330	02/15/22 12:11	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			388416	02/16/22 18:24	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.56 g	100 mL	388070	02/12/22 13:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			388223	02/14/22 18:54	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.72 g	100 mL	388128	02/14/22 09:15	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			388197	02/14/22 14:15	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	388050	02/12/22 09:30	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	388351	02/15/22 14:49	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.49 g	10 mL	388376	02/15/22 16:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			388406	02/15/22 20:36	CMR	TAL PIT
	Instrument ID: SEAL1									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KFS = Kelly Shannon
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JMO = John Oravec
  - NAF = Nicholas Frankos
  - PJJ = Patrick Journet
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants, Inc.
Job ID: 180-133533-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A68A
Lab Sample ID: 180-133533-1
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 88.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	02/15/22 10:00	02/15/22 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*02/15/22 10:00*	*02/15/22 12:21*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*02/15/22 10:00*	*02/15/22 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*	*02/15/22 10:00*	*02/15/22 12:21*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*02/15/22 10:00*	*02/15/22 12:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			02/15/22 16:29	1
Percent Solids	**88.2**		0.1	0.1	%			02/15/22 16:29	1

Client Sample ID: SSHS-IRM5A2-A2-A68B
Lab Sample ID: 180-133533-2
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 87.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1

Client Sample ID: SSHS-IRM5A2-A2-A68B
Lab Sample ID: 180-133533-2
Date Collected: 02/10/22 16:30 **Matrix: Solid**
Date Received: 02/11/22 09:30 **Percent Solids: 87.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Chlorobenzene	ND		0.0056	0.0014	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
tert-Butylbenzene	ND		0.0056	0.0023	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
trans-1,2-Dichloroethene	ND		0.0056	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Trichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/15/22 10:00	02/15/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*02/15/22 10:00*	*02/15/22 12:49*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*02/15/22 10:00*	*02/15/22 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*02/15/22 10:00*	*02/15/22 12:49*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*02/15/22 10:00*	*02/15/22 12:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			02/14/22 14:16	1
Percent Solids	**87.2**		0.1	0.1	%			02/14/22 14:16	1

Client Sample ID: SSHS-IRM5A2-A2-A68C
Lab Sample ID: 180-133533-3
Date Collected: 02/10/22 16:30 **Matrix: Solid**
Date Received: 02/11/22 09:30 **Percent Solids: 88.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Acenaphthylene	ND		0.0074	0.0016	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Anthracene	ND		0.0074	0.0019	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Benzo[a]anthracene	ND		0.0074	0.0033	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1

Client Sample ID: SSHS-IRM5A2-A2-A68C **Lab Sample ID: 180-133533-3**
Date Collected: 02/10/22 16:30 **Matrix: Solid**
Date Received: 02/11/22 09:30 **Percent Solids: 88.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0074	0.0032	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Benzo[b]fluoranthene	**0.0018**	**J**	0.0074	0.0018	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Benzo[g,h,i]perylene	**0.0023**	**J**	0.0074	0.0016	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Benzo[k]fluoranthene	ND		0.0074	0.0022	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Chrysene	ND		0.0074	0.0041	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Dibenz(a,h)anthracene	ND		0.0074	0.0047	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
1,4-Dioxane	ND		0.074	0.011	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Fluoranthene	**0.0021**	**J**	0.0074	0.0019	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Fluorene	ND		0.0074	0.0014	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Indeno[1,2,3-cd]pyrene	ND		0.0074	0.0037	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Naphthalene	ND		0.0074	0.0014	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Nitrobenzene	ND		0.074	0.013	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Phenanthrene	ND		0.0074	0.0020	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Phenol	ND		0.036	0.011	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Pyrene	**0.0023**	**J**	0.0074	0.0017	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	02/14/22 19:23	02/16/22 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*02/14/22 19:23*	*02/16/22 13:48*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*02/14/22 19:23*	*02/16/22 13:48*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*02/14/22 19:23*	*02/16/22 13:48*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*02/14/22 19:23*	*02/16/22 13:48*	*1*
Terphenyl-d14 (Surr)	*74*		*20 - 117*	*02/14/22 19:23*	*02/16/22 13:48*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*20 - 119*	*02/14/22 19:23*	*02/16/22 13:48*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1248	ND		0.019	0.0044	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1254	ND		0.019	0.0056	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/14/22 23:16	02/16/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*02/14/22 23:16*	*02/16/22 18:05*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*02/14/22 23:16*	*02/16/22 18:05*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A68C — Lab Sample ID: 180-133533-3

Date Collected: 02/10/22 16:30 — **Matrix: Solid**
Date Received: 02/11/22 09:30 — **Percent Solids: 88.2**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*02/14/22 23:16*	*02/16/22 18:05*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*02/14/22 23:16*	*02/16/22 18:05*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.8**		0.64	0.40	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Barium	**41**		13	2.3	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Beryllium	**0.24**	**J**	0.26	0.070	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Cadmium	**0.063**	**J**	0.32	0.047	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Chromium	**6.8**		0.32	0.29	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Copper	**18**		1.6	0.97	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Lead	**7.4**		0.64	0.56	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Manganese	**390**		0.96	0.18	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Nickel	**13**		2.6	0.32	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Selenium	ND		0.64	0.30	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Silver	ND		0.32	0.067	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1
Zinc	**53**		1.3	0.76	mg/Kg	☼	02/12/22 13:08	02/14/22 18:49	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.013	mg/Kg	☼	02/14/22 09:15	02/14/22 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			02/15/22 16:29	1
Percent Solids	**88.2**		0.1	0.1	%			02/15/22 16:29	1
Hexavalent chromium	ND		0.44	0.24	mg/Kg	☼	02/12/22 09:30	02/15/22 14:48	1
Cyanide, Total	**0.23**		0.20	0.15	mg/Kg	☼	02/15/22 16:45	02/15/22 20:34	1

Client Sample ID: SSHS-IRM5A2-A2-A69A — Lab Sample ID: 180-133533-4

Date Collected: 02/10/22 16:45 — **Matrix: Solid**
Date Received: 02/11/22 09:30 — **Percent Solids: 85.1**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1

Client Sample ID: SSHS-IRM5A2-A2-A69A

Lab Sample ID: 180-133533-4

Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 85.1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	02/15/22 10:00	02/15/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*02/15/22 10:00*	*02/15/22 16:38*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*02/15/22 10:00*	*02/15/22 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*	*02/15/22 10:00*	*02/15/22 16:38*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*02/15/22 10:00*	*02/15/22 16:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.9**		0.1	0.1	%			02/14/22 14:16	1
Percent Solids	**85.1**		0.1	0.1	%			02/14/22 14:16	1

Client Sample ID: SSHS-IRM5A2-A2-A69B

Lab Sample ID: 180-133533-5

Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 85.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1

Client Sample ID: SSHS-IRM5A2-A2-A69B

Lab Sample ID: 180-133533-5
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 85.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,1,1-Trichloroethane	ND		0.0052	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0020	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1
Xylenes, Total	ND		0.010	0.0076	mg/Kg	☼	02/15/22 10:00	02/15/22 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*02/15/22 10:00*	*02/15/22 17:06*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*02/15/22 10:00*	*02/15/22 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*02/15/22 10:00*	*02/15/22 17:06*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*02/15/22 10:00*	*02/15/22 17:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.7**		0.1	0.1	%			02/15/22 16:29	1
Percent Solids	**85.3**		0.1	0.1	%			02/15/22 16:29	1

Client Sample ID: SSHS-IRM5A2-A2-A69C

Lab Sample ID: 180-133533-6
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 84.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0078	0.0022	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Acenaphthylene	**0.011**		0.0078	0.0017	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Anthracene	**0.0071**	**J**	0.0078	0.0020	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Benzo[a]anthracene	**0.023**		0.0078	0.0035	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Benzo[a]pyrene	**0.022**		0.0078	0.0034	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Benzo[b]fluoranthene	**0.030**		0.0078	0.0019	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Benzo[g,h,i]perylene	**0.021**		0.0078	0.0017	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Benzo[k]fluoranthene	**0.0091**		0.0078	0.0023	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Chrysene	**0.025**		0.0078	0.0043	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Dibenz(a,h)anthracene	**0.0053**	**J**	0.0078	0.0050	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Dibenzofuran	ND		0.038	0.014	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Fluoranthene	**0.029**		0.0078	0.0021	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Fluorene	ND		0.0078	0.0015	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Indeno[1,2,3-cd]pyrene	**0.018**		0.0078	0.0039	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1

Client Sample ID: SSHS-IRM5A2-A2-A69C
Date Collected: 02/10/22 16:45
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133533-6
Matrix: Solid
Percent Solids: 84.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Naphthalene	**0.0037**	**J**	0.0078	0.0015	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Phenanthrene	**0.0072**	**J**	0.0078	0.0021	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Phenol	ND		0.038	0.012	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Pyrene	**0.034**		0.0078	0.0018	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
2,4,5-Trichlorophenol	ND		0.038	0.014	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	02/14/22 19:23	02/16/22 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*02/14/22 19:23*	*02/16/22 14:10*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*02/14/22 19:23*	*02/16/22 14:10*	*1*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*	*02/14/22 19:23*	*02/16/22 14:10*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*02/14/22 19:23*	*02/16/22 14:10*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*02/14/22 19:23*	*02/16/22 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*20 - 119*	*02/14/22 19:23*	*02/16/22 14:10*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1248	**0.038**		0.020	0.0048	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1254	**0.023**		0.020	0.0059	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1260	ND		0.020	0.0056	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	02/14/22 23:16	02/16/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*02/14/22 23:16*	*02/16/22 18:24*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*02/14/22 23:16*	*02/16/22 18:24*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*02/14/22 23:16*	*02/16/22 18:24*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*02/14/22 23:16*	*02/16/22 18:24*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.1**		0.76	0.48	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Barium	**54**		15	2.7	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Beryllium	**0.28**	**J**	0.30	0.083	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Cadmium	**0.075**	**J**	0.38	0.056	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Chromium	**7.9**		0.38	0.35	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Copper	**17**		1.9	1.2	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Lead	**8.1**		0.76	0.66	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Manganese	**570**		1.1	0.21	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Nickel	**14**		3.0	0.38	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Selenium	ND		0.76	0.35	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

Client Sample ID: SSHS-IRM5A2-A2-A69C
Date Collected: 02/10/22 16:45
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133533-6
Matrix: Solid
Percent Solids: 84.2

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.38	0.079	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1
Zinc	**50**		1.5	0.91	mg/Kg	☼	02/12/22 13:08	02/14/22 18:54	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	02/14/22 09:15	02/14/22 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.8**		0.1	0.1	%			02/14/22 14:16	1
Percent Solids	**84.2**		0.1	0.1	%			02/14/22 14:16	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	02/12/22 09:30	02/15/22 14:49	1
Cyanide, Total	ND		0.24	0.18	mg/Kg	☼	02/15/22 16:45	02/15/22 20:36	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-388234/6
Matrix: Solid
Analysis Batch: 388234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/15/22 11:53	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/15/22 11:53	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/15/22 11:53	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/15/22 11:53	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/15/22 11:53	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/15/22 11:53	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/15/22 11:53	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/15/22 11:53	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/15/22 11:53	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/15/22 11:53	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/15/22 11:53	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/15/22 11:53	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/15/22 11:53	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/15/22 11:53	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/15/22 11:53	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/15/22 11:53	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/15/22 11:53	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/15/22 11:53	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/15/22 11:53	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/15/22 11:53	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/15/22 11:53	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/15/22 11:53	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/15/22 11:53	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/15/22 11:53	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/15/22 11:53	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/15/22 11:53	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/15/22 11:53	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/15/22 11:53	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/15/22 11:53	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/15/22 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*		*02/15/22 11:53*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*		*02/15/22 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*		*02/15/22 11:53*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*		*02/15/22 11:53*	*1*

Lab Sample ID: LCS 180-388234/5
Matrix: Solid
Analysis Batch: 388234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0238		mg/Kg		60	23 - 170
Benzene	0.0400	0.0379		mg/Kg		95	77 - 120
2-Butanone (MEK)	0.0400	0.0315		mg/Kg		79	39 - 157
Carbon tetrachloride	0.0400	0.0376		mg/Kg		94	73 - 130
Chlorobenzene	0.0400	0.0376		mg/Kg		94	79 - 122
Chloroform	0.0400	0.0373		mg/Kg		93	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-388234/5
Matrix: Solid
Analysis Batch: 388234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0389		mg/Kg		97	77 - 118
1,2-Dichlorobenzene	0.0400	0.0404		mg/Kg		101	76 - 120
1,3-Dichlorobenzene	0.0400	0.0400		mg/Kg		100	77 - 121
1,4-Dichlorobenzene	0.0400	0.0402		mg/Kg		100	79 - 120
1,1-Dichloroethane	0.0400	0.0429		mg/Kg		107	73 - 124
1,2-Dichloroethane	0.0400	0.0360		mg/Kg		90	64 - 140
1,1-Dichloroethene	0.0400	0.0398		mg/Kg		100	55 - 136
1,4-Dioxane	0.800	0.496	J	mg/Kg		62	18 - 166
Ethylbenzene	0.0400	0.0395		mg/Kg		99	79 - 119
Methylene Chloride	0.0400	0.0394		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0311		mg/Kg		78	58 - 132
n-Butylbenzene	0.0400	0.0441		mg/Kg		110	64 - 136
N-Propylbenzene	0.0400	0.0406		mg/Kg		102	71 - 127
sec-Butylbenzene	0.0400	0.0416		mg/Kg		104	65 - 130
tert-Butylbenzene	0.0400	0.0409		mg/Kg		102	69 - 133
Tetrachloroethene	0.0400	0.0406		mg/Kg		101	71 - 121
Toluene	0.0400	0.0403		mg/Kg		101	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0384		mg/Kg		96	75 - 122
1,1,1-Trichloroethane	0.0400	0.0353		mg/Kg		88	72 - 134
Trichloroethene	0.0400	0.0392		mg/Kg		98	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0404		mg/Kg		101	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0406		mg/Kg		102	69 - 131
Vinyl chloride	0.0400	0.0318		mg/Kg		80	64 - 134
Xylenes, Total	0.0800	0.0787		mg/Kg		98	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-388211/1-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Anthracene	ND		0.0034	0.00087	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Chrysene	ND		0.0034	0.0019	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		02/14/22 19:23	02/16/22 05:24	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-388211/1-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Fluorene	ND		0.0034	0.00066	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Phenol	ND		0.017	0.0051	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Pyrene	ND		0.0034	0.00079	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Pyridine	ND		0.034	0.0090	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		02/14/22 19:23	02/16/22 05:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
Terphenyl-d14 (Surr)	*80*		*20 - 117*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*02/14/22 19:23*	*02/16/22 05:24*	*1*

Lab Sample ID: LCS 180-388211/2-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388211

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.233		mg/Kg		70	41 - 100
Acenaphthylene	0.333	0.244		mg/Kg		73	45 - 100
Anthracene	0.333	0.245		mg/Kg		73	47 - 100
Benzo[a]anthracene	0.333	0.246		mg/Kg		74	47 - 100
Benzo[a]pyrene	0.333	0.235		mg/Kg		70	45 - 101
Benzo[b]fluoranthene	0.333	0.206		mg/Kg		62	44 - 100
Benzo[g,h,i]perylene	0.333	0.251		mg/Kg		75	45 - 103
Benzo[k]fluoranthene	0.333	0.217		mg/Kg		65	43 - 100
Chrysene	0.333	0.222		mg/Kg		66	44 - 100
Dibenz(a,h)anthracene	0.333	0.253		mg/Kg		76	46 - 107
Dibenzofuran	0.333	0.227		mg/Kg		68	47 - 100
2,4-Dinitrotoluene	0.333	0.249		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.237		mg/Kg		71	10 - 133
Fluoranthene	0.333	0.248		mg/Kg		74	49 - 102
Fluorene	0.333	0.231		mg/Kg		69	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-388211/2-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388211

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	0.333	0.231		mg/Kg		69	45 - 101
Hexachlorobutadiene	0.333	0.241		mg/Kg		72	38 - 110
Hexachloroethane	0.333	0.246		mg/Kg		74	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.255		mg/Kg		77	48 - 104
2-Methylphenol	0.333	0.234		mg/Kg		70	43 - 101
Methylphenol, 3 & 4	0.333	0.237		mg/Kg		71	43 - 104
Naphthalene	0.333	0.228		mg/Kg		68	43 - 100
Nitrobenzene	0.333	0.251		mg/Kg		75	43 - 107
Pentachlorophenol	0.667	0.467		mg/Kg		70	34 - 112
Phenanthrene	0.333	0.235		mg/Kg		71	46 - 100
Phenol	0.333	0.232		mg/Kg		69	42 - 103
Pyrene	0.333	0.239		mg/Kg		72	44 - 102
Pyridine	0.667	0.479		mg/Kg		72	25 - 109
2,4,5-Trichlorophenol	0.333	0.243		mg/Kg		73	47 - 108
2,4,6-Trichlorophenol	0.333	0.253		mg/Kg		76	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*76*		*32 - 105*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*
Phenol-d5 (Surr)	*75*		*34 - 105*
Terphenyl-d14 (Surr)	*74*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-388215/1-A
Matrix: Solid
Analysis Batch: 388416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1221	ND		0.017	0.0059	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1232	ND		0.017	0.0041	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1242	ND		0.017	0.0024	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1248	ND		0.017	0.0040	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1254	ND		0.017	0.0050	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1260	ND		0.017	0.0047	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1262	ND		0.017	0.0059	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1268	ND		0.017	0.0022	mg/Kg		02/14/22 23:16	02/16/22 14:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*02/14/22 23:16*	*02/16/22 14:00*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*02/14/22 23:16*	*02/16/22 14:00*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*02/14/22 23:16*	*02/16/22 14:00*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*02/14/22 23:16*	*02/16/22 14:00*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-388215/2-A
Matrix: Solid
Analysis Batch: 388416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.11		mg/Kg		83	43 - 136		
PCB-1260			1.33	1.23		mg/Kg		93	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-388070/1-A
Matrix: Solid
Analysis Batch: 388223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Barium	ND		20	3.6	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Beryllium	ND		0.40	0.11	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Cadmium	ND		0.50	0.073	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Chromium	ND		0.50	0.46	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Copper	ND		2.5	1.5	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Lead	ND		1.0	0.87	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Manganese	ND		1.5	0.28	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Nickel	ND		4.0	0.50	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Selenium	ND		1.0	0.46	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Silver	ND		0.50	0.10	mg/Kg		02/12/22 13:08	02/14/22 17:46	1
Zinc	ND		2.0	1.2	mg/Kg		02/12/22 13:08	02/14/22 17:46	1

Lab Sample ID: LCS 180-388070/2-A
Matrix: Solid
Analysis Batch: 388223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388070

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			100	103		mg/Kg		103	80 - 120		
Barium			100	98.3		mg/Kg		98	80 - 120		
Beryllium			50.0	50.3		mg/Kg		101	80 - 120		
Cadmium			50.0	50.7		mg/Kg		101	80 - 120		
Chromium			50.0	49.9		mg/Kg		100	80 - 120		
Copper			50.0	49.7		mg/Kg		99	80 - 120		
Lead			50.0	46.6		mg/Kg		93	80 - 120		
Manganese			50.0	49.5		mg/Kg		99	80 - 120		
Nickel			50.0	49.4		mg/Kg		99	80 - 120		
Selenium			100	96.6		mg/Kg		97	80 - 120		
Silver			25.0	24.5		mg/Kg		98	80 - 120		
Zinc			25.0	24.7		mg/Kg		99	80 - 120		

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-388128/1-A
Matrix: Solid
Analysis Batch: 388197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		02/14/22 09:15	02/14/22 14:01	1

Lab Sample ID: LCS 180-388128/2-A
Matrix: Solid
Analysis Batch: 388197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.410		mg/Kg		98	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-133533-6 DU
Matrix: Solid
Analysis Batch: 388190

Client Sample ID: SSHS-IRM5A2-A2-A69C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15.8		15.7		%		0.9	10
Percent Solids	84.2		84.3		%		0.2	10

Lab Sample ID: 180-133533-3 DU
Matrix: Solid
Analysis Batch: 388387

Client Sample ID: SSHS-IRM5A2-A2-A68C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.8		12.1		%		3	10
Percent Solids	88.2		87.9		%		0.4	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-388050/1-A
Matrix: Solid
Analysis Batch: 388351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		02/12/22 09:30	02/15/22 14:13	1

Lab Sample ID: LCSI 180-388050/3-A
Matrix: Solid
Analysis Batch: 388351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388050

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	678		mg/Kg		96	80 - 120

Lab Sample ID: LCSS 180-388050/2-A
Matrix: Solid
Analysis Batch: 388351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388050

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.0		mg/Kg		85	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-388376/4-A
Matrix: Solid
Analysis Batch: 388406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		02/15/22 16:45	02/15/22 20:04	1

Lab Sample ID: HLCS 180-388376/2-A
Matrix: Solid
Analysis Batch: 388406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388376

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.249		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-388376/3-A
Matrix: Solid
Analysis Batch: 388406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	24.7		mg/Kg		107	17 - 163

Lab Sample ID: LLCS 180-388376/1-A
Matrix: Solid
Analysis Batch: 388406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388376

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0482		mg/Kg		96	90 - 110

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

GC/MS VOA

Analysis Batch: 388234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-1	SSHS-IRM5A2-A2-A68A	Total/NA	Solid	EPA 8260C	388305
180-133533-2	SSHS-IRM5A2-A2-A68B	Total/NA	Solid	EPA 8260C	388305
180-133533-4	SSHS-IRM5A2-A2-A69A	Total/NA	Solid	EPA 8260C	388305
180-133533-5	SSHS-IRM5A2-A2-A69B	Total/NA	Solid	EPA 8260C	388305
MB 180-388234/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-388234/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 388305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-1	SSHS-IRM5A2-A2-A68A	Total/NA	Solid	5035	
180-133533-2	SSHS-IRM5A2-A2-A68B	Total/NA	Solid	5035	
180-133533-4	SSHS-IRM5A2-A2-A69A	Total/NA	Solid	5035	
180-133533-5	SSHS-IRM5A2-A2-A69B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 388211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	3541	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	3541	
MB 180-388211/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-388211/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 388411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	EPA 8270D LL	388211
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	EPA 8270D LL	388211
MB 180-388211/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	388211
LCS 180-388211/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	388211

GC Semi VOA

Prep Batch: 388215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	3541	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	3541	
MB 180-388215/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-388215/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 388329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	3665A	388215
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	3665A	388215

Cleanup Batch: 388330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	3660B	388329
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	3660B	388329

Analysis Batch: 388416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	EPA 8082A	388330

GC Semi VOA (Continued)

Analysis Batch: 388416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	EPA 8082A	388330
MB 180-388215/1-A	Method Blank	Total/NA	Solid	EPA 8082A	388215
LCS 180-388215/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	388215

Metals

Prep Batch: 388070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	3050B	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	3050B	
MB 180-388070/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-388070/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 388128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	7471B	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	7471B	
MB 180-388128/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-388128/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 388197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	EPA 7471B	388128
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	EPA 7471B	388128
MB 180-388128/1-A	Method Blank	Total/NA	Solid	EPA 7471B	388128
LCS 180-388128/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	388128

Analysis Batch: 388223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	EPA 6010C	388070
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	EPA 6010C	388070
MB 180-388070/1-A	Method Blank	Total/NA	Solid	EPA 6010C	388070
LCS 180-388070/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	388070

General Chemistry

Prep Batch: 388050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	3060A	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	3060A	
MB 180-388050/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-388050/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-388050/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 388190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-2	SSHS-IRM5A2-A2-A68B	Total/NA	Solid	2540G	
180-133533-4	SSHS-IRM5A2-A2-A69A	Total/NA	Solid	2540G	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	2540G	
180-133533-6 DU	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	2540G	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-1

General Chemistry

Analysis Batch: 388351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	EPA 7196A	388050
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	EPA 7196A	388050
MB 180-388050/1-A	Method Blank	Total/NA	Solid	EPA 7196A	388050
LCSI 180-388050/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	388050
LCSS 180-388050/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	388050

Prep Batch: 388376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	9010C	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	9010C	
MB 180-388376/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-388376/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-388376/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-388376/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 388387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-1	SSHS-IRM5A2-A2-A68A	Total/NA	Solid	2540G	
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	2540G	
180-133533-5	SSHS-IRM5A2-A2-A69B	Total/NA	Solid	2540G	
180-133533-3 DU	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	2540G	

Analysis Batch: 388406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	EPA 9014	388376
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	EPA 9014	388376
MB 180-388376/4-A	Method Blank	Total/NA	Solid	EPA 9014	388376
HLCS 180-388376/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388376
LCS 180-388376/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388376
LLCS 180-388376/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388376

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A68A	2/10/22	1630	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A68B	2/10/22	1630	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A68C	2/10/22	1630	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A69A	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69B	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69C	2/10/22	1645	C	S	N	N		X	X	X	X	X	X	X	5	

180-133533 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 2/10	Company	Received by:	Date/Time: 2/11/22 950	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A68A	2/10/22	1630	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A68B	2/10/22	1630	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A68C	2/10/22	1630	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A69A	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69B	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69C	2/10/22	1645	C	S	N	N		X	X	X	X	X	X	X	5	

180-133533 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1					2-11-22 1120	EEA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1685874 | Cooler Temperature(s) °C and Other Remarks: 2.4

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Sacramento
Sample Receiving Notes



Job:___

Tracking # : 7759 6019 6989

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-04 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1688874

Cooler ID: _____

Temp Observed: 2.4 °C Corrected: 2.4 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: LM Date: 2/11/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☐	☑	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 2-11-22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 2-11-22

WR3-10E

eurofins
Environment Testing
TestAmerica
1688874
Custody Seal 2.10.2
DATE
SIGNATURE
eurofins
Environment
TestAmeri
1688874
FedEx Express
XW BLUA
TRK#
0201
7759 6019 6989
PRIORITY OVERNIGHT
FRI - 11 FEB 10:30A
95605
SMF
CA-US
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV: 01
PO: 28
DEPT: 1751
REF: MNO8321
ORIGIN ID:ELMA
(240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
BILL SENDER
SHIP DATE: 10FEB22
ACTWGT: 50.00 LB
CAD: 2521449569/NET4460
DIMS: 30x18x12 IN
56D.J2027C/FE4A

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133533-1

Login Number: 133533
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133533-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/18/2022 5:21:05 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

Links

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-133533-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133533-2

Receipt
The samples were received on 2/11/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 3.4º C and 4.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-133533-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-133533-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22 *
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	02-28-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133533-3	SSHS-IRM5A2-A2-A68C	Solid	02/10/22 16:30	02/11/22 09:30
180-133533-6	SSHS-IRM5A2-A2-A69C	Solid	02/10/22 16:45	02/11/22 09:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-2

Client Sample ID: SSHS-IRM5A2-A2-A68C

Lab Sample ID: 180-133533-3
Date Collected: 02/10/22 16:30
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.48 g	10.0 mL	565508	02/13/22 20:47	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			565980	02/15/22 04:30	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A2-A69C

Lab Sample ID: 180-133533-6
Date Collected: 02/10/22 16:45
Matrix: Solid
Date Received: 02/11/22 09:30
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.46 g	10.0 mL	565508	02/13/22 20:47	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			565980	02/15/22 04:40	RS1	TAL SAC
	Instrument ID: A13									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-2

Client Sample ID: SSHS-IRM5A2-A2-A68C
Date Collected: 02/10/22 16:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133533-3
Matrix: Solid
Percent Solids: 88.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	02/13/22 20:47	02/15/22 04:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*57*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C5 PFPeA	*91*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C2 PFHxA	*92*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C4 PFHpA	*93*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C4 PFOA	*96*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C5 PFNA	*94*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C2 PFDA	*90*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C2 PFUnA	*101*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C2 PFDoA	*104*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C3 PFBS	*85*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
18O2 PFHxS	*88*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C4 PFOS	*96*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
13C8 FOSA	*91*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
d5-NEtFOSAA	*129*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*
M2-8:2 FTS	*94*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:30*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-2

Client Sample ID: SSHS-IRM5A2-A2-A69C
Date Collected: 02/10/22 16:45
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133533-6
Matrix: Solid
Percent Solids: 84.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorooctanesulfonic acid (PFOS)	**0.055**	**J**	0.22	0.047	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	02/13/22 20:47	02/15/22 04:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C5 PFPeA	*87*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C2 PFHxA	*88*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C4 PFHpA	*96*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C4 PFOA	*97*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C5 PFNA	*99*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C2 PFDA	*91*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C2 PFUnA	*100*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C2 PFDoA	*105*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C2 PFTeDA	*101*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C3 PFBS	*78*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
18O2 PFHxS	*83*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C4 PFOS	*89*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
13C8 FOSA	*88*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
d3-NMeFOSAA	*103*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
d5-NEtFOSAA	*125*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*02/13/22 20:47*	*02/15/22 04:40*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-565508/1-A
Matrix: Solid
Analysis Batch: 565980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 565508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/13/22 20:47	02/15/22 03:38	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/13/22 20:47	02/15/22 03:38	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*52*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C5 PFPeA	*81*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C2 PFHxA	*85*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C4 PFHpA	*93*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C4 PFOA	*93*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C5 PFNA	*96*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C2 PFDA	*95*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C2 PFUnA	*96*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C2 PFDoA	*106*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C3 PFBS	*87*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
18O2 PFHxS	*92*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C4 PFOS	*95*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
13C8 FOSA	*89*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
d3-NMeFOSAA	*108*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
d5-NEtFOSAA	*118*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
M2-6:2 FTS	*94*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*02/13/22 20:47*	*02/15/22 03:38*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-565508/2-A
Matrix: Solid
Analysis Batch: 565980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 565508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.10		ug/Kg		105	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.92		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.80		ug/Kg		90	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.76		ug/Kg		88	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.85		ug/Kg		93	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.79		ug/Kg		90	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.80		ug/Kg		90	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.80		ug/Kg		90	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.56		ug/Kg		88	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.63		ug/Kg		89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.71		ug/Kg		90	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.59		ug/Kg		86	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.72		ug/Kg		89	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.90		ug/Kg		95	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.90		ug/Kg		95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.82		ug/Kg		91	72 - 132
6:2 FTS	1.90	1.74		ug/Kg		92	73 - 139
8:2 FTS	1.92	1.74		ug/Kg		91	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*58*		*25 - 150*
13C5 PFPeA	*84*		*25 - 150*
13C2 PFHxA	*86*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*91*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*98*		*25 - 150*
13C2 PFDoA	*101*		*25 - 150*
13C2 PFTeDA	*89*		*25 - 150*
13C3 PFBS	*85*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*96*		*25 - 150*
13C8 FOSA	*90*		*25 - 150*
d3-NMeFOSAA	*108*		*25 - 150*
d5-NEtFOSAA	*115*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-565508/2-A
Matrix: Solid
Analysis Batch: 565980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 565508

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	99		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133533-2

LCMS

Prep Batch: 565508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	SHAKE	
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	SHAKE	
MB 320-565508/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-565508/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 565980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133533-3	SSHS-IRM5A2-A2-A68C	Total/NA	Solid	537 (modified)	565508
180-133533-6	SSHS-IRM5A2-A2-A69C	Total/NA	Solid	537 (modified)	565508
MB 320-565508/1-A	Method Blank	Total/NA	Solid	537 (modified)	565508
LCS 320-565508/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	565508

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A68A	2/10/22	1630	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A68B	2/10/22	1630	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A68C	2/10/22	1630	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A69A	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69B	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69C	2/10/22	1645	C	S	N	N		X	X	X	X	X	X	X	5	

180-133533 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/10			2/11/22 950	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A68A	2/10/22	1630	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A68B	2/10/22	1630	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A68C	2/10/22	1630	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A69A	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69B	2/10/22	1645	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A69C	2/10/22	1645	C	S	N	N		X	X	X	X	X	X	X	5	

180-133533 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1					2-11-22 1120	EEA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1685874 | Cooler Temperature(s) °C and Other Remarks: 2.4

eurofins | Environment Testing

Sacramento
Sample Receiving Notes



Job:___

Tracking # : 775960196989

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-04 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1688874

Cooler ID: _____

Temp Observed: 2.4 °C Corrected: 2.4 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: LM Date: 2/11/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☐	☑	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 2-11-22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: NC Date: 2-11-22

WR3-10E

eurofins | Environment Testing TestAmerica

1688874

Custody Seal 2.10.2

DATE

SIGNATURE

eurofins | Environment TestAmerica

1688874

FedEx Express

TRK# 7759 6019 6989

0201

XW BLUA

CA-US

95605

SMF

FRI - 11 FEB 10:30A

PRIORITY OVERNIGHT

(916) 373-5600

INV 01

PO 28

REF MNO8321

DEPT 1751

TO TESTAMERICA LABORATORY

WEST SACRAMENTO

880 RIVERSIDE PKWY

WEST SACRAMENTO CA 95605

56DJ2027CFE4A

ORIGIN ID:ELMA (240) 938-7056

CONSTRUCTION ENTRANCE - GEOSYNTEC

GEOSYNTEC CONSULTANTS

765 SOUTH MAIN STREET

ELMIRA, NY 14904

UNITED STATES US

SHIP DATE: 10FEB22

ACTWGT: 50.00 LB

CAD: 2521449569/INET4460

DIMS: 30x18x12 IN

BILL SENDER

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133533-2

Login Number: 133533
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133533-2

Login Number: 133533
List Number: 2
Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento
List Creation: 02/11/22 06:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688874
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133611-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/21/2022 3:47:47 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-133611-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133611-2

Receipt
The samples were received on 2/12/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 4.4º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A70C (180-133611-3) and SSHS-IRM5A2-A2-DUP13C (180-133611-6). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: (LCS 320-566742/2-A) and (MB 320-566742/1-A). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-133611-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-133611-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-22 *
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	02-28-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133611-3	SSHS-IRM5A2-A2-A70C	Solid	02/11/22 15:00	02/12/22 09:00
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Solid	02/11/22 00:00	02/12/22 09:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-2

Client Sample ID: SSHS-IRM5A2-A2-A70C

Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	566742	02/18/22 10:52	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			567029	02/19/22 20:35	S1M	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-DUP13C

Lab Sample ID: 180-133611-6
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	566742	02/18/22 10:52	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			567029	02/19/22 20:45	S1M	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

KJW = Karl Wyhlidko

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants, Inc.
Job ID: 180-133611-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A70C
Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J I**	0.22	0.048	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	02/18/22 10:52	02/19/22 20:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*42*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C5 PFPeA	*100*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C2 PFHxA	*98*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C4 PFHpA	*96*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C4 PFOA	*97*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C5 PFNA	*105*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C2 PFDA	*111*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C2 PFUnA	*110*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C2 PFDoA	*99*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C3 PFBS	*101*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
18O2 PFHxS	*90*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C4 PFOS	*96*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
13C8 FOSA	*103*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
d3-NMeFOSAA	*112*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:35*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-2

Client Sample ID: SSHS-IRM5A2-A2-DUP13C
Date Collected: 02/11/22 00:00
Date Received: 02/12/22 09:00

Lab Sample ID: 180-133611-6
Matrix: Solid
Percent Solids: 84.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.052	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J I**	0.23	0.049	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	02/18/22 10:52	02/19/22 20:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*37*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C5 PFPeA	*96*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C2 PFHxA	*95*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C4 PFHpA	*91*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C4 PFOA	*94*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C5 PFNA	*101*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C2 PFDA	*108*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C2 PFUnA	*104*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C2 PFDoA	*97*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C3 PFBS	*96*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
18O2 PFHxS	*87*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C4 PFOS	*96*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
13C8 FOSA	*93*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
M2-6:2 FTS	*112*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*02/18/22 10:52*	*02/19/22 20:45*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-566742/1-A
Matrix: Solid
Analysis Batch: 567029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 566742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/18/22 10:52	02/19/22 18:23	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/18/22 10:52	02/19/22 18:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*61*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C5 PFPeA	*128*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C2 PFHxA	*127*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C4 PFHpA	*123*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C4 PFOA	*126*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C5 PFNA	*131*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C2 PFDA	*142*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C2 PFUnA	*141*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C2 PFDoA	*129*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C2 PFTeDA	*130*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C3 PFBS	*145*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
18O2 PFHxS	*134*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C4 PFOS	*141*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
13C8 FOSA	*140*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
d3-NMeFOSAA	*148*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
d5-NEtFOSAA	*152*	*5+	*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
M2-6:2 FTS	*171*	*5+	*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*
M2-8:2 FTS	*140*		*25 - 150*	*02/18/22 10:52*	*02/19/22 18:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-566742/2-A
Matrix: Solid
Analysis Batch: 567029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 566742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.90		ug/Kg		95	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.83		ug/Kg		91	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.95		ug/Kg		98	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.92		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.74		ug/Kg		87	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.94		ug/Kg		97	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.87		ug/Kg		94	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.80		ug/Kg		90	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.61		ug/Kg		91	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.72		ug/Kg		94	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.79		ug/Kg		94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.71		ug/Kg		92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.93		ug/Kg		100	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.98		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.77		ug/Kg		89	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.63		ug/Kg		82	72 - 132
6:2 FTS	1.90	1.55		ug/Kg		82	73 - 139
8:2 FTS	1.92	2.02		ug/Kg		106	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*53*		*25 - 150*
13C5 PFPeA	*125*		*25 - 150*
13C2 PFHxA	*115*		*25 - 150*
13C4 PFHpA	*115*		*25 - 150*
13C4 PFOA	*121*		*25 - 150*
13C5 PFNA	*125*		*25 - 150*
13C2 PFDA	*134*		*25 - 150*
13C2 PFUnA	*137*		*25 - 150*
13C2 PFDoA	*129*		*25 - 150*
13C2 PFTeDA	*126*		*25 - 150*
13C3 PFBS	*134*		*25 - 150*
18O2 PFHxS	*122*		*25 - 150*
13C4 PFOS	*130*		*25 - 150*
13C8 FOSA	*125*		*25 - 150*
d3-NMeFOSAA	*143*		*25 - 150*
d5-NEtFOSAA	*151*	*5+	*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-566742/2-A
Matrix: Solid
Analysis Batch: 567029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 566742

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	150		25 - 150
M2-8:2 FTS	124		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-2

LCMS

Prep Batch: 566742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	SHAKE	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	SHAKE	
MB 320-566742/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-566742/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 567029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	537 (modified)	566742
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	537 (modified)	566742
MB 320-566742/1-A	Method Blank	Total/NA	Solid	537 (modified)	566742
LCS 320-566742/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	566742

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 day		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8280C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A70A	2/11/22	1500	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A70B	2/11/22	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A70C	2/11/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP13A	2/11/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP13B	2/11/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP13C	2/11/22		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Glen	2/11/22			2/12/22 900	EST-PIT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-133611 Chain of Custody

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A70A	2/11/22	1500	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A70B	2/11/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A70C	2/11/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP13A	2/11/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP13B	2/11/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP13C	2/11/22		C	S	N	N		X	X	X	X	X	X	X						5	

180-133611 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 2/11/22	Company	Received by:	Date/Time: 2/11/22 905	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: X Yes ☐ No	Custody Seal No.: 166872	Cooler Temperature(s) °C and Other Remarks: 3.0

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Sacramento Sample Receiving Notes

Tracking # : 7759 5996 6869

Job: 180-133611 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: IR-08 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: SO 2-12-22 Sent 1658872

Cooler ID: _____

Temp Observed: 3.0 °C Corrected: 3.0 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2/12/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 2-12-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 2-12-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133611-2

Login Number: 133611
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133611-2

Login Number: 133611
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688872
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133611-1
Client Project/Site: Former Sperry Remington-Reuse
Revision: 1

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/23/2022 2:57:56 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Job ID: 180-133611-1

Laboratory: Eurofins Pittsburgh

Narrative

This is a revised report. The initial calibration for the hexavalent chromium batch 180-388986 was inadvertently entered into the analysis sequence in the LIMS batch after the samples and the analysis times were not corrected. The calibration was completed prior to sample analysis. No sample results have changed.

Job Narrative
180-133611-1

Receipt
The samples were received on 2/12/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 4.4º C.

GC/MS VOA
Method 8260C: The initial analysis of sample SSHS-IRM5A2-A2-DUP13B (180-133611-5) had internal standard responses below 10%. The sample was re-analyzed and again had internal standard responses below criteria, but greater than 10%. Only results of the re-analysis were reported. The sample could not be re-analyzed a third time as both aqueous terracores had been analyzed.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-388433 was above the control limits for the following analyte: n-Butylbenzene. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-388433 was below criteria for the following analytes: Methyl tert-butyl ether and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-388416 (CCVIS 180-388416/26) was above criteria for aroclor 1260 on column RTX-CLP1 and above criteria for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 9014: The ending continuing calibration verification (CCV) associated with batch 180-388819 recovered above the control limits for cyanide. As the samples associated with this CCVL did not have cyanide detected, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-133611-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133611-1	SSHS-IRM5A2-A2-A70A	Solid	02/11/22 15:00	02/12/22 09:00
180-133611-2	SSHS-IRM5A2-A2-A70B	Solid	02/11/22 15:00	02/12/22 09:00
180-133611-3	SSHS-IRM5A2-A2-A70C	Solid	02/11/22 15:00	02/12/22 09:00
180-133611-4	SSHS-IRM5A2-A2-DUP13A	Solid	02/11/22 00:00	02/12/22 09:00
180-133611-5	SSHS-IRM5A2-A2-DUP13B	Solid	02/11/22 00:00	02/12/22 09:00
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Solid	02/11/22 00:00	02/12/22 09:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Client Sample ID: SSHS-IRM5A2-A2-A70A
Lab Sample ID: 180-133611-1
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388184	02/14/22 13:39	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A70A
Lab Sample ID: 180-133611-1
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9963 g	5 mL	388253	02/15/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388232	02/15/22 16:23	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A70B
Lab Sample ID: 180-133611-2
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388190	02/14/22 14:16	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A70B
Lab Sample ID: 180-133611-2
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0597 g	5 mL	388253	02/15/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388232	02/15/22 16:46	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A70C
Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388184	02/14/22 13:39	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A70C
Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	388211	02/14/22 19:23	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	388255	02/15/22 19:50	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-133611-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A70C
Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	388215	02/14/22 23:16	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	388329	02/15/22 12:10	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	388330	02/15/22 12:11	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			388416	02/16/22 14:38	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.63 g	100 mL	388340	02/15/22 12:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			388503	02/16/22 11:41	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			1.11 g	100 mL	388128	02/14/22 09:15	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			388197	02/14/22 14:16	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	388662	02/17/22 12:35	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	388986	02/21/22 17:41	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	388780	02/18/22 13:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			388819	02/18/22 16:23	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-DUP13A
Lab Sample ID: 180-133611-4
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388184	02/14/22 13:39	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP13A
Lab Sample ID: 180-133611-4
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9575 g	5 mL	388253	02/15/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388232	02/15/22 17:09	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP13B
Lab Sample ID: 180-133611-5
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388184	02/14/22 13:39	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Client Sample ID: SSHS-IRM5A2-A2-DUP13B

Lab Sample ID: 180-133611-5
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3485 g	5 mL	388473	02/16/22 06:58	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	388433	02/16/22 12:49	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-DUP13C

Lab Sample ID: 180-133611-6
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			388184	02/14/22 13:39	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP13C

Lab Sample ID: 180-133611-6
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	388211	02/14/22 19:23	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	388255	02/15/22 20:13	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	388215	02/14/22 23:16	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	388329	02/15/22 12:10	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	388330	02/15/22 12:11	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			388416	02/16/22 15:34	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.44 g	100 mL	388340	02/15/22 12:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			388503	02/16/22 11:46	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	388128	02/14/22 09:15	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			388197	02/14/22 14:17	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.55 g	100 mL	388662	02/17/22 12:35	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	388986	02/21/22 17:42	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	388780	02/18/22 13:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			388825	02/18/22 17:08	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - JCR = Jessica Rodgers
  - KFS = Kelly Shannon
  - KLG = Kathy Gordon
  - PJJ = Patrick Journet
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - PJJ = Patrick Journet
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A70A

Lab Sample ID: 180-133611-1
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 85.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0046	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Benzene	ND		0.0059	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
2-Butanone (MEK)	ND		0.0059	0.0030	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Carbon tetrachloride	ND		0.0059	0.0024	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Chlorobenzene	ND		0.0059	0.0015	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Chloroform	ND		0.0059	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
cis-1,2-Dichloroethene	ND		0.0059	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,2-Dichlorobenzene	ND		0.0059	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,3-Dichlorobenzene	ND		0.0059	0.0036	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,4-Dichlorobenzene	ND		0.0059	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,1-Dichloroethane	ND		0.0059	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,2-Dichloroethane	ND		0.0059	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,1-Dichloroethene	ND		0.0059	0.0027	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Ethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Methylene Chloride	ND		0.0059	0.0053	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Methyl tert-butyl ether	ND		0.0059	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
n-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
N-Propylbenzene	ND		0.0059	0.0021	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
sec-Butylbenzene	ND		0.0059	0.0029	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
tert-Butylbenzene	ND		0.0059	0.0025	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Tetrachloroethene	ND		0.0059	0.0024	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Toluene	ND		0.0059	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
trans-1,2-Dichloroethene	ND		0.0059	0.0021	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,1,1-Trichloroethane	ND		0.0059	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Trichloroethene	**0.0024**	**J**	0.0059	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
1,3,5-Trimethylbenzene	ND		0.0059	0.0022	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Vinyl chloride	ND		0.0059	0.0042	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1
Xylenes, Total	ND		0.012	0.0085	mg/Kg	☼	02/15/22 06:00	02/15/22 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*02/15/22 06:00*	*02/15/22 16:23*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*02/15/22 06:00*	*02/15/22 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*02/15/22 06:00*	*02/15/22 16:23*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*02/15/22 06:00*	*02/15/22 16:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.8**		0.1	0.1	%			02/14/22 13:39	1
Percent Solids	**85.2**		0.1	0.1	%			02/14/22 13:39	1

Client Sample ID: SSHS-IRM5A2-A2-A70B

Lab Sample ID: 180-133611-2
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 85.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1

Client Sample ID: SSHS-IRM5A2-A2-A70B
Lab Sample ID: 180-133611-2
Date Collected: 02/11/22 15:00 **Matrix: Solid**
Date Received: 02/12/22 09:00 **Percent Solids: 85.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Carbon tetrachloride	ND		0.0058	0.0023	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
cis-1,2-Dichloroethene	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,2-Dichlorobenzene	ND		0.0058	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,3-Dichlorobenzene	ND		0.0058	0.0035	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,1-Dichloroethane	ND		0.0058	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
N-Propylbenzene	ND		0.0058	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
sec-Butylbenzene	ND		0.0058	0.0028	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Trichloroethene	**0.0024**	**J**	0.0058	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Vinyl chloride	ND		0.0058	0.0041	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1
Xylenes, Total	ND		0.012	0.0083	mg/Kg	☼	02/15/22 06:00	02/15/22 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*02/15/22 06:00*	*02/15/22 16:46*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*02/15/22 06:00*	*02/15/22 16:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*02/15/22 06:00*	*02/15/22 16:46*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*02/15/22 06:00*	*02/15/22 16:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.1**		0.1	0.1	%			02/14/22 14:16	1
Percent Solids	**85.9**		0.1	0.1	%			02/14/22 14:16	1

Client Sample ID: SSHS-IRM5A2-A2-A70C
Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00 **Matrix: Solid**
Date Received: 02/12/22 09:00 **Percent Solids: 84.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0075**	**J**	0.0078	0.0022	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Acenaphthylene	**0.14**		0.0078	0.0017	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Anthracene	**0.10**		0.0078	0.0020	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Benzo[a]anthracene	**0.29**		0.0078	0.0035	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-133611-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A70C
Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.31**		0.0078	0.0034	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Benzo[b]fluoranthene	**0.41**		0.0078	0.0019	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Benzo[g,h,i]perylene	**0.29**		0.0078	0.0017	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Benzo[k]fluoranthene	**0.12**		0.0078	0.0023	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Chrysene	**0.34**		0.0078	0.0043	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Dibenz(a,h)anthracene	**0.074**		0.0078	0.0050	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Dibenzofuran	**0.014**	**J**	0.038	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
2,4-Dinitrotoluene	ND		0.038	0.023	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Fluoranthene	**0.43**		0.0078	0.0020	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Fluorene	**0.017**		0.0078	0.0015	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Hexachloroethane	ND		0.038	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Indeno[1,2,3-cd]pyrene	**0.26**		0.0078	0.0039	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
2-Methylphenol	ND		0.038	0.011	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Methylphenol, 3 & 4	ND		0.038	0.011	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Naphthalene	**0.045**		0.0078	0.0015	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Pentachlorophenol	ND		0.20	0.062	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Phenanthrene	**0.14**		0.0078	0.0021	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Phenol	ND		0.038	0.012	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Pyrene	**0.42**		0.0078	0.0018	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
2,4,5-Trichlorophenol	ND		0.038	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1
2,4,6-Trichlorophenol	ND		0.038	0.013	mg/Kg	☼	02/14/22 19:23	02/15/22 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*02/14/22 19:23*	*02/15/22 19:50*	*1*
2-Fluorophenol (Surr)	*55*		*32 - 105*	*02/14/22 19:23*	*02/15/22 19:50*	*1*
Nitrobenzene-d5 (Surr)	*61*		*34 - 109*	*02/14/22 19:23*	*02/15/22 19:50*	*1*
Phenol-d5 (Surr)	*58*		*34 - 105*	*02/14/22 19:23*	*02/15/22 19:50*	*1*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*02/14/22 19:23*	*02/15/22 19:50*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 119*	*02/14/22 19:23*	*02/15/22 19:50*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1248	**0.69**		0.020	0.0047	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1254	**0.26**		0.020	0.0059	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1260	**0.12**		0.020	0.0056	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	02/14/22 23:16	02/16/22 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*02/14/22 23:16*	*02/16/22 14:38*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*02/14/22 23:16*	*02/16/22 14:38*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Client Sample ID: SSHS-IRM5A2-A2-A70C

Lab Sample ID: 180-133611-3
Date Collected: 02/11/22 15:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.2

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/14/22 23:16*	*02/16/22 14:38*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*02/14/22 23:16*	*02/16/22 14:38*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.5**		0.73	0.46	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Barium	**54**		15	2.6	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Beryllium	**0.34**		0.29	0.079	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Cadmium	**0.10**	**J**	0.36	0.053	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Chromium	**11**		0.36	0.33	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Copper	**38**		1.8	1.1	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Lead	**16**		0.73	0.63	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Manganese	**360**		1.1	0.20	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Nickel	**22**		2.9	0.37	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Selenium	**0.46**	**J**	0.73	0.34	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Silver	ND		0.36	0.076	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1
Zinc	**56**		1.5	0.87	mg/Kg	☼	02/15/22 12:25	02/16/22 11:41	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.021	0.014	mg/Kg	☼	02/14/22 09:15	02/14/22 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.8**		0.1	0.1	%			02/14/22 13:39	1
Percent Solids	**84.2**		0.1	0.1	%			02/14/22 13:39	1
Hexavalent chromium	ND		0.47	0.25	mg/Kg	☼	02/17/22 12:35	02/21/22 17:41	1
Cyanide, Total	ND	^+	0.52	0.39	mg/Kg	☼	02/18/22 13:15	02/18/22 16:23	1

Client Sample ID: SSHS-IRM5A2-A2-DUP13A

Lab Sample ID: 180-133611-4
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 86.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
2-Butanone (MEK)	ND		0.0058	0.0030	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Ethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1

Client Sample ID: SSHS-IRM5A2-A2-DUP13A

Lab Sample ID: 180-133611-4
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 86.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
tert-Butylbenzene	ND		0.0058	0.0025	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Trichloroethene	**0.0035**	**J**	0.0058	0.0018	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	02/15/22 06:00	02/15/22 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*02/15/22 06:00*	*02/15/22 17:09*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*02/15/22 06:00*	*02/15/22 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*02/15/22 06:00*	*02/15/22 17:09*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*02/15/22 06:00*	*02/15/22 17:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.3**		0.1	0.1	%			02/14/22 13:39	1
Percent Solids	**86.7**		0.1	0.1	%			02/14/22 13:39	1

Client Sample ID: SSHS-IRM5A2-A2-DUP13B

Lab Sample ID: 180-133611-5
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 88.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	0.021	0.0041	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Benzene	ND	*3	0.0053	0.0015	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
2-Butanone (MEK)	ND	*3	0.0053	0.0027	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Carbon tetrachloride	ND	*3	0.0053	0.0021	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Chlorobenzene	ND	*3	0.0053	0.0014	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Chloroform	ND	*3	0.0053	0.0017	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
cis-1,2-Dichloroethene	ND	*3	0.0053	0.0016	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,2-Dichlorobenzene	ND	*3	0.0053	0.0018	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,3-Dichlorobenzene	ND	*3	0.0053	0.0033	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,4-Dichlorobenzene	ND	*3	0.0053	0.0016	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,1-Dichloroethane	ND	*3	0.0053	0.0017	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,2-Dichloroethane	ND	*3	0.0053	0.0015	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,1-Dichloroethene	ND	*3	0.0053	0.0024	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,4-Dioxane	ND	*3	1.1	0.037	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Ethylbenzene	ND	*3	0.0053	0.0020	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Methylene Chloride	ND	*3	0.0053	0.0048	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Methyl tert-butyl ether	ND	*3	0.0053	0.0016	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1

Client Sample ID: SSHS-IRM5A2-A2-DUP13B

Lab Sample ID: 180-133611-5
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 88.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	*3 *1	0.0053	0.0026	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
N-Propylbenzene	ND	*3	0.0053	0.0019	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
sec-Butylbenzene	ND	*3	0.0053	0.0026	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
tert-Butylbenzene	ND	*3	0.0053	0.0022	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Tetrachloroethene	ND	*3	0.0053	0.0021	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Toluene	ND	*3	0.0053	0.0015	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
trans-1,2-Dichloroethene	ND	*3	0.0053	0.0018	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,1,1-Trichloroethane	ND	*3	0.0053	0.0018	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Trichloroethene	ND	*3	0.0053	0.0017	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,2,4-Trimethylbenzene	ND	*3	0.0053	0.0018	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
1,3,5-Trimethylbenzene	ND	*3	0.0053	0.0020	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Vinyl chloride	ND	*3	0.0053	0.0038	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1
Xylenes, Total	ND	*3	0.011	0.0076	mg/Kg	☼	02/16/22 06:58	02/16/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*	*3*	*60 - 124*	*02/16/22 06:58*	*02/16/22 12:49*	*1*
Dibromofluoromethane (Surr)	*81*	*3*	*69 - 126*	*02/16/22 06:58*	*02/16/22 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*	*3*	*73 - 135*	*02/16/22 06:58*	*02/16/22 12:49*	*1*
Toluene-d8 (Surr)	*89*	*3*	*67 - 134*	*02/16/22 06:58*	*02/16/22 12:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.4**		0.1	0.1	%			02/14/22 13:39	1
Percent Solids	**88.6**		0.1	0.1	%			02/14/22 13:39	1

Client Sample ID: SSHS-IRM5A2-A2-DUP13C

Lab Sample ID: 180-133611-6
Date Collected: 02/11/22 00:00
Matrix: Solid
Date Received: 02/12/22 09:00
Percent Solids: 84.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0063**	**J**	0.0078	0.0022	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Acenaphthylene	**0.089**		0.0078	0.0017	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Anthracene	**0.072**		0.0078	0.0020	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Benzo[a]anthracene	**0.19**		0.0078	0.0035	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Benzo[a]pyrene	**0.21**		0.0078	0.0034	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Benzo[b]fluoranthene	**0.27**		0.0078	0.0019	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Benzo[g,h,i]perylene	**0.21**		0.0078	0.0017	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Benzo[k]fluoranthene	**0.10**		0.0078	0.0023	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Chrysene	**0.22**		0.0078	0.0043	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Dibenz(a,h)anthracene	**0.053**		0.0078	0.0050	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Dibenzofuran	ND		0.039	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
2,4-Dinitrotoluene	ND		0.039	0.023	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
1,4-Dioxane	ND		0.078	0.012	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Fluoranthene	**0.27**		0.0078	0.0021	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Fluorene	**0.010**		0.0078	0.0015	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Hexachlorobenzene	ND		0.0078	0.0028	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Hexachlorobutadiene	ND		0.0078	0.0023	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Indeno[1,2,3-cd]pyrene	**0.18**		0.0078	0.0039	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1

Client Sample ID: SSHS-IRM5A2-A2-DUP13C
Date Collected: 02/11/22 00:00
Date Received: 02/12/22 09:00

Lab Sample ID: 180-133611-6
Matrix: Solid
Percent Solids: 84.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Methylphenol, 3 & 4	ND		0.039	0.011	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Naphthalene	**0.036**		0.0078	0.0015	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Nitrobenzene	ND		0.078	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Pentachlorophenol	ND		0.20	0.063	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Phenanthrene	**0.10**		0.0078	0.0021	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Phenol	ND		0.039	0.012	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Pyrene	**0.30**		0.0078	0.0018	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
Pyridine	ND		0.078	0.021	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	02/14/22 19:23	02/15/22 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*35 - 105*	*02/14/22 19:23*	*02/15/22 20:13*	*1*
2-Fluorophenol (Surr)	*54*		*32 - 105*	*02/14/22 19:23*	*02/15/22 20:13*	*1*
Nitrobenzene-d5 (Surr)	*58*		*34 - 109*	*02/14/22 19:23*	*02/15/22 20:13*	*1*
Phenol-d5 (Surr)	*54*		*34 - 105*	*02/14/22 19:23*	*02/15/22 20:13*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*02/14/22 19:23*	*02/15/22 20:13*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*	*02/14/22 19:23*	*02/15/22 20:13*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1248	**0.63**		0.020	0.0047	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1254	**0.24**		0.020	0.0059	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1260	**0.11**		0.020	0.0056	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	02/14/22 23:16	02/16/22 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*02/14/22 23:16*	*02/16/22 15:34*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*02/14/22 23:16*	*02/16/22 15:34*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*02/14/22 23:16*	*02/16/22 15:34*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*02/14/22 23:16*	*02/16/22 15:34*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.7**		0.82	0.52	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Barium	**66**		16	2.9	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Beryllium	**0.33**		0.33	0.090	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Cadmium	**0.10**	**J**	0.41	0.060	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Chromium	**9.4**		0.41	0.37	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Copper	**27**		2.1	1.2	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Lead	**23**		0.82	0.72	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Manganese	**400**		1.2	0.23	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Nickel	**21**		3.3	0.41	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Selenium	ND		0.82	0.38	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

Client Sample ID: SSHS-IRM5A2-A2-DUP13C
Date Collected: 02/11/22 00:00
Date Received: 02/12/22 09:00

Lab Sample ID: 180-133611-6
Matrix: Solid
Percent Solids: 84.5

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.41	0.085	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1
Zinc	**62**		1.6	0.98	mg/Kg	☼	02/15/22 12:25	02/16/22 11:46	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	02/14/22 09:15	02/14/22 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.5**		0.1	0.1	%			02/14/22 13:39	1
Percent Solids	**84.5**		0.1	0.1	%			02/14/22 13:39	1
Hexavalent chromium	ND		0.46	0.25	mg/Kg	☼	02/17/22 12:35	02/21/22 17:42	1
Cyanide, Total	**2.4**		0.49	0.37	mg/Kg	☼	02/18/22 13:15	02/18/22 17:08	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-388232/7
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/15/22 09:43	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/15/22 09:43	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/15/22 09:43	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/15/22 09:43	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/15/22 09:43	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/15/22 09:43	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/15/22 09:43	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/15/22 09:43	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/15/22 09:43	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/15/22 09:43	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/15/22 09:43	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/15/22 09:43	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/15/22 09:43	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/15/22 09:43	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/15/22 09:43	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/15/22 09:43	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/15/22 09:43	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/15/22 09:43	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/15/22 09:43	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/15/22 09:43	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/15/22 09:43	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/15/22 09:43	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/15/22 09:43	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/15/22 09:43	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/15/22 09:43	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/15/22 09:43	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/15/22 09:43	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/15/22 09:43	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/15/22 09:43	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/15/22 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*		*02/15/22 09:43*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*02/15/22 09:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*		*02/15/22 09:43*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*		*02/15/22 09:43*	*1*

Lab Sample ID: LCS 180-388232/4
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0432		mg/Kg		108	23 - 170
Benzene	0.0400	0.0408		mg/Kg		102	77 - 120
2-Butanone (MEK)	0.0400	0.0421		mg/Kg		105	39 - 157
Carbon tetrachloride	0.0400	0.0371		mg/Kg		93	73 - 130
Chlorobenzene	0.0400	0.0350		mg/Kg		88	79 - 122
Chloroform	0.0400	0.0344		mg/Kg		86	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-388232/4
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0407		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0348		mg/Kg		87	76 - 120
1,3-Dichlorobenzene	0.0400	0.0370		mg/Kg		92	77 - 121
1,4-Dichlorobenzene	0.0400	0.0349		mg/Kg		87	79 - 120
1,1-Dichloroethane	0.0400	0.0431		mg/Kg		108	73 - 124
1,2-Dichloroethane	0.0400	0.0371		mg/Kg		93	64 - 140
1,1-Dichloroethene	0.0400	0.0457		mg/Kg		114	55 - 136
1,4-Dioxane	0.800	0.831	J	mg/Kg		104	18 - 166
Ethylbenzene	0.0400	0.0347		mg/Kg		87	79 - 119
Methylene Chloride	0.0400	0.0445		mg/Kg		111	67 - 131
Methyl tert-butyl ether	0.0400	0.0385		mg/Kg		96	58 - 132
n-Butylbenzene	0.0400	0.0374		mg/Kg		93	64 - 136
N-Propylbenzene	0.0400	0.0372		mg/Kg		93	71 - 127
sec-Butylbenzene	0.0400	0.0369		mg/Kg		92	65 - 130
tert-Butylbenzene	0.0400	0.0365		mg/Kg		91	69 - 133
Tetrachloroethene	0.0400	0.0418		mg/Kg		105	71 - 121
Toluene	0.0400	0.0381		mg/Kg		95	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0421		mg/Kg		105	75 - 122
1,1,1-Trichloroethane	0.0400	0.0382		mg/Kg		95	72 - 134
Trichloroethene	0.0400	0.0400		mg/Kg		100	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0371		mg/Kg		93	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0367		mg/Kg		92	69 - 131
Vinyl chloride	0.0400	0.0394		mg/Kg		99	64 - 134
Xylenes, Total	0.0800	0.0684		mg/Kg		86	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-388232/5
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0440		mg/Kg		110	23 - 170	2	35
Benzene	0.0400	0.0417		mg/Kg		104	77 - 120	2	20
2-Butanone (MEK)	0.0400	0.0434		mg/Kg		108	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0374		mg/Kg		93	73 - 130	1	21
Chlorobenzene	0.0400	0.0345		mg/Kg		86	79 - 122	2	20
Chloroform	0.0400	0.0354		mg/Kg		88	73 - 126	3	20
cis-1,2-Dichloroethene	0.0400	0.0419		mg/Kg		105	77 - 118	3	20
1,2-Dichlorobenzene	0.0400	0.0351		mg/Kg		88	76 - 120	1	20
1,3-Dichlorobenzene	0.0400	0.0372		mg/Kg		93	77 - 121	1	20
1,4-Dichlorobenzene	0.0400	0.0351		mg/Kg		88	79 - 120	1	20
1,1-Dichloroethane	0.0400	0.0436		mg/Kg		109	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0367		mg/Kg		92	64 - 140	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-388232/5
Matrix: Solid
Analysis Batch: 388232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0472		mg/Kg		118	55 - 136	3	21
1,4-Dioxane			0.800	0.820	J	mg/Kg		103	18 - 166	1	40
Ethylbenzene			0.0400	0.0345		mg/Kg		86	79 - 119	1	20
Methylene Chloride			0.0400	0.0469		mg/Kg		117	67 - 131	5	32
Methyl tert-butyl ether			0.0400	0.0404		mg/Kg		101	58 - 132	5	24
n-Butylbenzene			0.0400	0.0371		mg/Kg		93	64 - 136	1	21
N-Propylbenzene			0.0400	0.0364		mg/Kg		91	71 - 127	2	20
sec-Butylbenzene			0.0400	0.0364		mg/Kg		91	65 - 130	1	20
tert-Butylbenzene			0.0400	0.0364		mg/Kg		91	69 - 133	0	23
Tetrachloroethene			0.0400	0.0415		mg/Kg		104	71 - 121	1	21
Toluene			0.0400	0.0374		mg/Kg		93	76 - 120	2	20
trans-1,2-Dichloroethene			0.0400	0.0431		mg/Kg		108	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0391		mg/Kg		98	72 - 134	2	20
Trichloroethene			0.0400	0.0395		mg/Kg		99	69 - 118	1	20
1,2,4-Trimethylbenzene			0.0400	0.0364		mg/Kg		91	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0361		mg/Kg		90	69 - 131	2	20
Vinyl chloride			0.0400	0.0362		mg/Kg		90	64 - 134	9	23
Xylenes, Total			0.0800	0.0678		mg/Kg		85	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: MB 180-388433/9
Matrix: Solid
Analysis Batch: 388433

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/16/22 11:24	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/16/22 11:24	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/16/22 11:24	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/16/22 11:24	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/16/22 11:24	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/16/22 11:24	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/16/22 11:24	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/16/22 11:24	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/16/22 11:24	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/16/22 11:24	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/16/22 11:24	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/16/22 11:24	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/16/22 11:24	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/16/22 11:24	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/16/22 11:24	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/16/22 11:24	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/16/22 11:24	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/16/22 11:24	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-388433/9
Matrix: Solid
Analysis Batch: 388433

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/16/22 11:24	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/16/22 11:24	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/16/22 11:24	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/16/22 11:24	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/16/22 11:24	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/16/22 11:24	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/16/22 11:24	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/16/22 11:24	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/16/22 11:24	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/16/22 11:24	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/16/22 11:24	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/16/22 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*		*02/16/22 11:24*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*		*02/16/22 11:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*		*02/16/22 11:24*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*02/16/22 11:24*	*1*

Lab Sample ID: LCS 180-388433/6
Matrix: Solid
Analysis Batch: 388433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0268		mg/Kg		67	23 - 170
Benzene	0.0400	0.0386		mg/Kg		96	77 - 120
2-Butanone (MEK)	0.0400	0.0262		mg/Kg		66	39 - 157
Carbon tetrachloride	0.0400	0.0393		mg/Kg		98	73 - 130
Chlorobenzene	0.0400	0.0393		mg/Kg		98	79 - 122
Chloroform	0.0400	0.0372		mg/Kg		93	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0395		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0403		mg/Kg		101	76 - 120
1,3-Dichlorobenzene	0.0400	0.0401		mg/Kg		100	77 - 121
1,4-Dichlorobenzene	0.0400	0.0404		mg/Kg		101	79 - 120
1,1-Dichloroethane	0.0400	0.0390		mg/Kg		97	73 - 124
1,2-Dichloroethane	0.0400	0.0358		mg/Kg		90	64 - 140
1,1-Dichloroethene	0.0400	0.0389		mg/Kg		97	55 - 136
1,4-Dioxane	0.800	0.722	J	mg/Kg		90	18 - 166
Ethylbenzene	0.0400	0.0407		mg/Kg		102	79 - 119
Methylene Chloride	0.0400	0.0407		mg/Kg		102	67 - 131
Methyl tert-butyl ether	0.0400	0.0297		mg/Kg		74	58 - 132
n-Butylbenzene	0.0400	0.0476		mg/Kg		119	64 - 136
N-Propylbenzene	0.0400	0.0388		mg/Kg		97	71 - 127
sec-Butylbenzene	0.0400	0.0424		mg/Kg		106	65 - 130
tert-Butylbenzene	0.0400	0.0404		mg/Kg		101	69 - 133
Tetrachloroethene	0.0400	0.0398		mg/Kg		99	71 - 121
Toluene	0.0400	0.0394		mg/Kg		99	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0386		mg/Kg		97	75 - 122

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-388433/6
Matrix: Solid
Analysis Batch: 388433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0400	0.0382		mg/Kg		95	72 - 134		
Trichloroethene			0.0400	0.0399		mg/Kg		100	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0411		mg/Kg		103	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0407		mg/Kg		102	69 - 131		
Vinyl chloride			0.0400	0.0322		mg/Kg		80	64 - 134		
Xylenes, Total			0.0800	0.0813		mg/Kg		102	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: LCSD 180-388433/7
Matrix: Solid
Analysis Batch: 388433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0340		mg/Kg		85	23 - 170	24	35
Benzene			0.0400	0.0389		mg/Kg		97	77 - 120	1	20
2-Butanone (MEK)			0.0400	0.0295		mg/Kg		74	39 - 157	12	33
Carbon tetrachloride			0.0400	0.0409		mg/Kg		102	73 - 130	4	21
Chlorobenzene			0.0400	0.0382		mg/Kg		96	79 - 122	3	20
Chloroform			0.0400	0.0380		mg/Kg		95	73 - 126	2	20
cis-1,2-Dichloroethene			0.0400	0.0403		mg/Kg		101	77 - 118	2	20
1,2-Dichlorobenzene			0.0400	0.0392		mg/Kg		98	76 - 120	3	20
1,3-Dichlorobenzene			0.0400	0.0399		mg/Kg		100	77 - 121	0	20
1,4-Dichlorobenzene			0.0400	0.0400		mg/Kg		100	79 - 120	1	20
1,1-Dichloroethane			0.0400	0.0394		mg/Kg		98	73 - 124	1	20
1,2-Dichloroethane			0.0400	0.0366		mg/Kg		91	64 - 140	2	20
1,1-Dichloroethene			0.0400	0.0390		mg/Kg		97	55 - 136	0	21
1,4-Dioxane			0.800	0.725	J	mg/Kg		91	18 - 166	0	40
Ethylbenzene			0.0400	0.0402		mg/Kg		101	79 - 119	1	20
Methylene Chloride			0.0400	0.0425		mg/Kg		106	67 - 131	4	32
Methyl tert-butyl ether			0.0400	0.0319		mg/Kg		80	58 - 132	7	24
n-Butylbenzene			0.0400	0.0378	*1	mg/Kg		95	64 - 136	23	21
N-Propylbenzene			0.0400	0.0383		mg/Kg		96	71 - 127	1	20
sec-Butylbenzene			0.0400	0.0385		mg/Kg		96	65 - 130	10	20
tert-Butylbenzene			0.0400	0.0383		mg/Kg		96	69 - 133	5	23
Tetrachloroethene			0.0400	0.0398		mg/Kg		100	71 - 121	0	21
Toluene			0.0400	0.0399		mg/Kg		100	76 - 120	1	20
trans-1,2-Dichloroethene			0.0400	0.0395		mg/Kg		99	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0394		mg/Kg		98	72 - 134	3	20
Trichloroethene			0.0400	0.0398		mg/Kg		99	69 - 118	0	20
1,2,4-Trimethylbenzene			0.0400	0.0386		mg/Kg		97	74 - 127	6	20
1,3,5-Trimethylbenzene			0.0400	0.0386		mg/Kg		96	69 - 131	5	20
Vinyl chloride			0.0400	0.0342		mg/Kg		85	64 - 134	6	23
Xylenes, Total			0.0800	0.0802		mg/Kg		100	78 - 118	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-388433/7
Matrix: Solid
Analysis Batch: 388433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-388211/1-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Anthracene	ND		0.0034	0.00087	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Chrysene	ND		0.0034	0.0019	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Fluorene	ND		0.0034	0.00066	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Phenol	ND		0.017	0.0051	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Pyrene	ND		0.0034	0.00079	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
Pyridine	ND		0.034	0.0090	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		02/14/22 19:23	02/16/22 05:24	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		02/14/22 19:23	02/16/22 05:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*71*		*35 - 105*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*02/14/22 19:23*	*02/16/22 05:24*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-388211/1-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388211

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*80*		*20 - 117*	*02/14/22 19:23*	*02/16/22 05:24*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*02/14/22 19:23*	*02/16/22 05:24*	*1*

Lab Sample ID: LCS 180-388211/2-A
Matrix: Solid
Analysis Batch: 388411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388211

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.233		mg/Kg		70	41 - 100
Acenaphthylene	0.333	0.244		mg/Kg		73	45 - 100
Anthracene	0.333	0.245		mg/Kg		73	47 - 100
Benzo[a]anthracene	0.333	0.246		mg/Kg		74	47 - 100
Benzo[a]pyrene	0.333	0.235		mg/Kg		70	45 - 101
Benzo[b]fluoranthene	0.333	0.206		mg/Kg		62	44 - 100
Benzo[g,h,i]perylene	0.333	0.251		mg/Kg		75	45 - 103
Benzo[k]fluoranthene	0.333	0.217		mg/Kg		65	43 - 100
Chrysene	0.333	0.222		mg/Kg		66	44 - 100
Dibenz(a,h)anthracene	0.333	0.253		mg/Kg		76	46 - 107
Dibenzofuran	0.333	0.227		mg/Kg		68	47 - 100
2,4-Dinitrotoluene	0.333	0.249		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.237		mg/Kg		71	10 - 133
Fluoranthene	0.333	0.248		mg/Kg		74	49 - 102
Fluorene	0.333	0.231		mg/Kg		69	46 - 100
Hexachlorobenzene	0.333	0.231		mg/Kg		69	45 - 101
Hexachlorobutadiene	0.333	0.241		mg/Kg		72	38 - 110
Hexachloroethane	0.333	0.246		mg/Kg		74	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.255		mg/Kg		77	48 - 104
2-Methylphenol	0.333	0.234		mg/Kg		70	43 - 101
Methylphenol, 3 & 4	0.333	0.237		mg/Kg		71	43 - 104
Naphthalene	0.333	0.228		mg/Kg		68	43 - 100
Nitrobenzene	0.333	0.251		mg/Kg		75	43 - 107
Pentachlorophenol	0.667	0.467		mg/Kg		70	34 - 112
Phenanthrene	0.333	0.235		mg/Kg		71	46 - 100
Phenol	0.333	0.232		mg/Kg		69	42 - 103
Pyrene	0.333	0.239		mg/Kg		72	44 - 102
Pyridine	0.667	0.479		mg/Kg		72	25 - 109
2,4,5-Trichlorophenol	0.333	0.243		mg/Kg		73	47 - 108
2,4,6-Trichlorophenol	0.333	0.253		mg/Kg		76	47 - 108

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*76*		*32 - 105*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*
Phenol-d5 (Surr)	*75*		*34 - 105*
Terphenyl-d14 (Surr)	*74*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-388215/1-A
Matrix: Solid
Analysis Batch: 388416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1221	ND		0.017	0.0059	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1232	ND		0.017	0.0041	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1242	ND		0.017	0.0024	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1248	ND		0.017	0.0040	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1254	ND		0.017	0.0050	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1260	ND		0.017	0.0047	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1262	ND		0.017	0.0059	mg/Kg		02/14/22 23:16	02/16/22 14:00	1
PCB-1268	ND		0.017	0.0022	mg/Kg		02/14/22 23:16	02/16/22 14:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*02/14/22 23:16*	*02/16/22 14:00*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*02/14/22 23:16*	*02/16/22 14:00*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*02/14/22 23:16*	*02/16/22 14:00*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*02/14/22 23:16*	*02/16/22 14:00*	*1*

Lab Sample ID: LCS 180-388215/2-A
Matrix: Solid
Analysis Batch: 388416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.11		mg/Kg		83	43 - 136		
PCB-1260			1.33	1.23		mg/Kg		93	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*

Lab Sample ID: 180-133611-3 MS
Matrix: Solid
Analysis Batch: 388416

Client Sample ID: SSHS-IRM5A2-A2-A70C
Prep Type: Total/NA
Prep Batch: 388215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.54	1.63		mg/Kg	☼	106	43 - 136		
PCB-1260	0.12		1.54	1.75		mg/Kg	☼	106	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-133611-3 MSD
Matrix: Solid
Analysis Batch: 388416

Client Sample ID: SSHS-IRM5A2-A2-A70C
Prep Type: Total/NA
Prep Batch: 388215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.56	1.79		mg/Kg	☼	115	43 - 136	10	40
PCB-1260	0.12		1.56	1.79		mg/Kg	☼	107	55 - 128	3	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-388340/1-A
Matrix: Solid
Analysis Batch: 388503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Barium	ND		20	3.6	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Beryllium	ND		0.40	0.11	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Cadmium	ND		0.50	0.073	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Chromium	ND		0.50	0.46	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Copper	ND		2.5	1.5	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Lead	ND		1.0	0.87	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Manganese	ND		1.5	0.28	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Nickel	ND		4.0	0.50	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Selenium	ND		1.0	0.46	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Silver	ND		0.50	0.10	mg/Kg		02/15/22 12:25	02/16/22 10:47	1
Zinc	ND		2.0	1.2	mg/Kg		02/15/22 12:25	02/16/22 10:47	1

Lab Sample ID: LCS 180-388340/2-A
Matrix: Solid
Analysis Batch: 388503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		mg/Kg		101	80 - 120
Barium	100	97.9		mg/Kg		98	80 - 120
Beryllium	50.0	49.1		mg/Kg		98	80 - 120
Cadmium	50.0	50.8		mg/Kg		102	80 - 120
Chromium	50.0	46.0		mg/Kg		92	80 - 120
Copper	50.0	49.4		mg/Kg		99	80 - 120
Lead	50.0	44.0		mg/Kg		88	80 - 120
Manganese	50.0	47.6		mg/Kg		95	80 - 120
Nickel	50.0	47.8		mg/Kg		96	80 - 120
Selenium	100	94.0		mg/Kg		94	80 - 120
Silver	25.0	23.7		mg/Kg		95	80 - 120
Zinc	25.0	24.4		mg/Kg		97	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-388128/1-A
Matrix: Solid
Analysis Batch: 388197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		02/14/22 09:15	02/14/22 14:01	1

Lab Sample ID: LCS 180-388128/2-A
Matrix: Solid
Analysis Batch: 388197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.410		mg/Kg		98	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-388662/1-A
Matrix: Solid
Analysis Batch: 388986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		02/17/22 12:35	02/21/22 17:18	1

Lab Sample ID: LCSI 180-388662/3-A
Matrix: Solid
Analysis Batch: 388986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388662

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	612		mg/Kg		86	80 - 120

Lab Sample ID: LCSS 180-388662/2-A
Matrix: Solid
Analysis Batch: 388986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388662

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.3		mg/Kg		86	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-388780/4-A
Matrix: Solid
Analysis Batch: 388819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	^+	0.50	0.38	mg/Kg		02/18/22 13:15	02/18/22 16:21	1

Lab Sample ID: HLCS 180-388780/2-A
Matrix: Solid
Analysis Batch: 388819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388780

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/Kg		101	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-388780/3-A
Matrix: Solid
Analysis Batch: 388819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	26.1		mg/Kg		113	17 - 163

Lab Sample ID: LLCS 180-388780/1-A
Matrix: Solid
Analysis Batch: 388819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388780

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0515		mg/Kg		103	90 - 110

Lab Sample ID: 180-133611-3 MS
Matrix: Solid
Analysis Batch: 388819

Client Sample ID: SSHS-IRM5A2-A2-A70C
Prep Type: Total/NA
Prep Batch: 388780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND	^+	5.94	6.49	^+	mg/Kg	☼	109	75 - 125

Lab Sample ID: 180-133611-3 MSD
Matrix: Solid
Analysis Batch: 388819

Client Sample ID: SSHS-IRM5A2-A2-A70C
Prep Type: Total/NA
Prep Batch: 388780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND	^+	5.66	5.97	^+	mg/Kg	☼	106	75 - 125	8	20

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

GC/MS VOA

Analysis Batch: 388232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-1	SSHS-IRM5A2-A2-A70A	Total/NA	Solid	EPA 8260C	388253
180-133611-2	SSHS-IRM5A2-A2-A70B	Total/NA	Solid	EPA 8260C	388253
180-133611-4	SSHS-IRM5A2-A2-DUP13A	Total/NA	Solid	EPA 8260C	388253
MB 180-388232/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-388232/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-388232/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 388253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-1	SSHS-IRM5A2-A2-A70A	Total/NA	Solid	5035	
180-133611-2	SSHS-IRM5A2-A2-A70B	Total/NA	Solid	5035	
180-133611-4	SSHS-IRM5A2-A2-DUP13A	Total/NA	Solid	5035	

Analysis Batch: 388433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-5	SSHS-IRM5A2-A2-DUP13B	Total/NA	Solid	EPA 8260C	388473
MB 180-388433/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-388433/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-388433/7	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 388473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-5	SSHS-IRM5A2-A2-DUP13B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 388211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3541	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	3541	
MB 180-388211/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-388211/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 388255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 8270D LL	388211
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	EPA 8270D LL	388211

Analysis Batch: 388411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-388211/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	388211
LCS 180-388211/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	388211

GC Semi VOA

Prep Batch: 388215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3541	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	3541	
MB 180-388215/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-388215/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-133611-3 MS	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 388215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3 MSD	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3541	

Cleanup Batch: 388329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3665A	388215
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	3665A	388215
180-133611-3 MS	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3665A	388215
180-133611-3 MSD	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3665A	388215

Cleanup Batch: 388330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3660B	388329
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	3660B	388329
180-133611-3 MS	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3660B	388329
180-133611-3 MSD	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3660B	388329

Analysis Batch: 388416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 8082A	388330
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	EPA 8082A	388330
MB 180-388215/1-A	Method Blank	Total/NA	Solid	EPA 8082A	388215
LCS 180-388215/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	388215
180-133611-3 MS	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 8082A	388330
180-133611-3 MSD	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 8082A	388330

Metals

Prep Batch: 388128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	7471B	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	7471B	
MB 180-388128/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-388128/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 388197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 7471B	388128
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	EPA 7471B	388128
MB 180-388128/1-A	Method Blank	Total/NA	Solid	EPA 7471B	388128
LCS 180-388128/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	388128

Prep Batch: 388340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3050B	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	3050B	
MB 180-388340/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-388340/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 388503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 6010C	388340

Metals (Continued)

Analysis Batch: 388503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	EPA 6010C	388340
MB 180-388340/1-A	Method Blank	Total/NA	Solid	EPA 6010C	388340
LCS 180-388340/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	388340

General Chemistry

Analysis Batch: 388184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-1	SSHS-IRM5A2-A2-A70A	Total/NA	Solid	2540G	
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	2540G	
180-133611-4	SSHS-IRM5A2-A2-DUP13A	Total/NA	Solid	2540G	
180-133611-5	SSHS-IRM5A2-A2-DUP13B	Total/NA	Solid	2540G	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	2540G	

Analysis Batch: 388190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-2	SSHS-IRM5A2-A2-A70B	Total/NA	Solid	2540G	

Prep Batch: 388662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	3060A	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	3060A	
MB 180-388662/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-388662/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-388662/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 388780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	9010C	
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	9010C	
MB 180-388780/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-388780/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-388780/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-388780/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-133611-3 MS	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	9010C	
180-133611-3 MSD	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	9010C	

Analysis Batch: 388819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 9014	388780
MB 180-388780/4-A	Method Blank	Total/NA	Solid	EPA 9014	388780
HLCS 180-388780/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388780
LCS 180-388780/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388780
LLCS 180-388780/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	388780
180-133611-3 MS	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 9014	388780
180-133611-3 MSD	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 9014	388780

Analysis Batch: 388825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	EPA 9014	388780

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-133611-1

General Chemistry

Analysis Batch: 388986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133611-3	SSHS-IRM5A2-A2-A70C	Total/NA	Solid	EPA 7196A	388662
180-133611-6	SSHS-IRM5A2-A2-DUP13C	Total/NA	Solid	EPA 7196A	388662
MB 180-388662/1-A	Method Blank	Total/NA	Solid	EPA 7196A	388662
LCSI 180-388662/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	388662
LCSS 180-388662/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	388662

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A70A	2/11/22	1500	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A70B	2/11/22	1500	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A70C	2/11/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP13A	2/11/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP13B	2/11/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP13C	2/11/22		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Glen	2/11/22			2/12/22 900	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-133611 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: J Hobart	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A70A	2/11/22	1500	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A70B	2/11/22	1500	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A70C	2/11/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP13A	2/11/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP13B	2/11/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP13C	2/11/22		C	S	N	N		X	X	X	X	X	X	X						5	

180-133611 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 2/11/22	Company	Received by:	Date/Time: 2/11/22 905	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: X Yes ☐ No	Custody Seal No.: 166872	Cooler Temperature(s) °C and Other Remarks: 3.0

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Sacramento Sample Receiving Notes

Job: 180-133611 Field Sheet

Tracking # : 7759 5996 6869

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: IR-08 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: SO 2-12-22 Sent 1658832

Cooler ID: _____

Temp Observed: 3.0 °C Corrected: 3.0 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2/12/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 2-12-22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 2-12-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-133611-1

Login Number: 133611
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134147-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
2/28/2022 3:56:10 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134147-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134147-2

Receipt
The samples were received on 2/24/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.3º C and 4.2º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: SSHS-IRM5A2-A2-A75C (180-134147-15) and SSHS-IRM5A2-A2-A77C (180-134147-21) and its matrix spikes. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits for the following samples: SSHS-IRM5A2-A2-A71C (180-134147-3), SSHS-IRM5A2-A2-A74C (180-134147-12), SSHS-IRM5A2-A2-A75C (180-134147-15), SSHS-IRM5A2-A2-A76C (180-134147-18), and SSHS-IRM5A2-A2-A77C (180-134147-21). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134147-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134147-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	02-28-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134147-3	SSHS-IRM5A2-A2-A71C	Solid	02/23/22 11:30	02/24/22 12:30
180-134147-6	SSHS-IRM5A2-A2-A72C	Solid	02/23/22 11:40	02/24/22 12:30
180-134147-9	SSHS-IRM5A2-A2-A73C	Solid	02/23/22 11:50	02/24/22 12:30
180-134147-12	SSHS-IRM5A2-A2-A74C	Solid	02/23/22 14:00	02/24/22 12:30
180-134147-15	SSHS-IRM5A2-A2-A75C	Solid	02/23/22 14:10	02/24/22 12:30
180-134147-18	SSHS-IRM5A2-A2-A76C	Solid	02/23/22 14:20	02/24/22 12:30
180-134147-21	SSHS-IRM5A2-A2-A77C	Solid	02/23/22 14:30	02/24/22 12:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Client Sample ID: SSHS-IRM5A2-A2-A71C
Lab Sample ID: 180-134147-3
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.46 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 12:16	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A72C
Lab Sample ID: 180-134147-6
Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.40 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 12:26	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A73C
Lab Sample ID: 180-134147-9
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 12:36	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A74C
Lab Sample ID: 180-134147-12
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 12:47	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A75C
Lab Sample ID: 180-134147-15
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 12:57	RS1	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A76C
Lab Sample ID: 180-134147-18

Date Collected: 02/23/22 14:20
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 13:07	RS1	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A77C
Lab Sample ID: 180-134147-21

Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.59 g	10.0 mL	568468	02/25/22 11:30	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			568876	02/27/22 13:38	RS1	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Client Sample ID: SSHS-IRM5A2-A2-A71C
Date Collected: 02/23/22 11:30
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-3
Matrix: Solid
Percent Solids: 89.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorooctanoic acid (PFOA)	**0.057**	**J**	0.21	0.054	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorononanoic acid (PFNA)	**0.024**	**J**	0.21	0.023	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorooctanesulfonic acid (PFOS)	**0.17**	**J I**	0.21	0.044	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	02/25/22 11:30	02/27/22 12:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C5 PFPeA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C2 PFHxA	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C4 PFHpA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C4 PFOA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C5 PFNA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C2 PFDA	*103*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C2 PFUnA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C2 PFDoA	*96*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C3 PFBS	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
18O2 PFHxS	*95*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C4 PFOS	*105*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
13C8 FOSA	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:16*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A72C
Lab Sample ID: 180-134147-6

Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 90.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.056**	**J**	0.20	0.047	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorooctanoic acid (PFOA)	**0.074**	**J**	0.20	0.054	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.023	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**		0.20	0.044	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.024	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	02/25/22 11:30	02/27/22 12:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C5 PFPeA	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C2 PFHxA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C4 PFHpA	*103*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C4 PFOA	*106*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C5 PFNA	*105*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C2 PFDA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C2 PFUnA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C2 PFDoA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C3 PFBS	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
18O2 PFHxS	*96*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C4 PFOS	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
13C8 FOSA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
M2-6:2 FTS	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:26*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Client Sample ID: SSHS-IRM5A2-A2-A73C
Date Collected: 02/23/22 11:50
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-9
Matrix: Solid
Percent Solids: 94.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.20	0.043	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	02/25/22 11:30	02/27/22 12:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C5 PFPeA	*103*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C2 PFHxA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C4 PFHpA	*111*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C4 PFOA	*110*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C5 PFNA	*111*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C2 PFDA	*110*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C2 PFUnA	*105*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C2 PFDoA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C3 PFBS	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
18O2 PFHxS	*96*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C4 PFOS	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
13C8 FOSA	*109*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:36*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Client Sample ID: SSHS-IRM5A2-A2-A74C
Date Collected: 02/23/22 14:00
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-12
Matrix: Solid
Percent Solids: 83.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.062**	**J**	0.23	0.053	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorooctanoic acid (PFOA)	**0.14**	**J**	0.23	0.061	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorononanoic acid (PFNA)	**0.042**	**J**	0.23	0.025	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorooctanesulfonic acid (PFOS)	**0.35**	**I**	0.23	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	02/25/22 11:30	02/27/22 12:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*37*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C5 PFPeA	*92*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C2 PFHxA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C4 PFHpA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C4 PFOA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C5 PFNA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C2 PFDA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C2 PFUnA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C2 PFDoA	*93*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C3 PFBS	*96*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
18O2 PFHxS	*93*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C4 PFOS	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
13C8 FOSA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:47*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A75C
Lab Sample ID: 180-134147-15
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 88.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.13**	**J**	0.21	0.048	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluoropentanoic acid (PFPeA)	**0.080**	**J**	0.21	0.043	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorooctanoic acid (PFOA)	**0.18**	**J**	0.21	0.056	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorononanoic acid (PFNA)	**0.043**	**J**	0.21	0.023	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.39**	**I**	0.21	0.045	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	02/25/22 11:30	02/27/22 12:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*57*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C5 PFPeA	*99*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C2 PFHxA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C4 PFHpA	*106*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C4 PFOA	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C5 PFNA	*106*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C2 PFDA	*105*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C2 PFUnA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C2 PFDoA	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C3 PFBS	*99*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
18O2 PFHxS	*95*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C4 PFOS	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
13C8 FOSA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
d5-NEtFOSAA	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
M2-6:2 FTS	*154*	**5+*	*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*
M2-8:2 FTS	*174*	**5+*	*25 - 150*	*02/25/22 11:30*	*02/27/22 12:57*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-2

Client Sample ID: SSHS-IRM5A2-A2-A76C
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-18
Matrix: Solid
Percent Solids: 91.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.089**	**J**	0.22	0.050	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorohexanoic acid (PFHxA)	**0.044**	**J**	0.22	0.034	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorooctanoic acid (PFOA)	**0.17**	**J**	0.22	0.058	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorononanoic acid (PFNA)	**0.030**	**J**	0.22	0.024	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.29**	**I**	0.22	0.047	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 13:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C5 PFPeA	*97*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C2 PFHxA	*99*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C4 PFHpA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C4 PFOA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C5 PFNA	*103*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C2 PFDA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C2 PFUnA	*103*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C2 PFDoA	*96*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C3 PFBS	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
18O2 PFHxS	*94*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C4 PFOS	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
13C8 FOSA	*112*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*
M2-8:2 FTS	*130*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:07*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A77C
Lab Sample ID: 180-134147-21
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 87.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.070**	**J**	0.21	0.047	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluoropentanoic acid (PFPeA)	**0.043**	**J**	0.21	0.042	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorooctanoic acid (PFOA)	**0.077**	**J**	0.21	0.054	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J I**	0.21	0.044	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	02/25/22 11:30	02/27/22 13:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*53*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C5 PFPeA	*95*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C2 PFHxA	*99*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C4 PFHpA	*100*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C4 PFOA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C5 PFNA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C2 PFDA	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C2 PFUnA	*104*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C2 PFDoA	*98*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C3 PFBS	*93*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
18O2 PFHxS	*90*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C4 PFOS	*97*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
13C8 FOSA	*101*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
M2-6:2 FTS	*136*		*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*
M2-8:2 FTS	*153*	**5+*	*25 - 150*	*02/25/22 11:30*	*02/27/22 13:38*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-568468/1-A
Matrix: Solid
Analysis Batch: 568876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 568468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/25/22 11:30	02/27/22 11:56	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/25/22 11:30	02/27/22 11:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C5 PFPeA	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C2 PFHxA	*112*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C4 PFHpA	*115*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C4 PFOA	*111*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C5 PFNA	*114*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C2 PFDA	*113*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C2 PFUnA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C2 PFDoA	*106*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C3 PFBS	*118*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
18O2 PFHxS	*114*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C4 PFOS	*121*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
13C8 FOSA	*111*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
d3-NMeFOSAA	*108*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
M2-6:2 FTS	*111*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*02/25/22 11:30*	*02/27/22 11:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-568468/2-A
Matrix: Solid
Analysis Batch: 568876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 568468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.87		ug/Kg		93	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.97		ug/Kg		99	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.82		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.88		ug/Kg		94	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.94		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.93		ug/Kg		96	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.86		ug/Kg		93	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.95		ug/Kg		97	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.99		ug/Kg		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.91		ug/Kg		95	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.47		ug/Kg		83	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.72		ug/Kg		94	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.77		ug/Kg		93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.71		ug/Kg		92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.76		ug/Kg		91	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.93		ug/Kg		97	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.84		ug/Kg		92	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.84		ug/Kg		92	72 - 132
6:2 FTS	1.90	1.70		ug/Kg		90	73 - 139
8:2 FTS	1.92	1.68		ug/Kg		88	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*77*		*25 - 150*
13C5 PFPeA	*108*		*25 - 150*
13C2 PFHxA	*111*		*25 - 150*
13C4 PFHpA	*113*		*25 - 150*
13C4 PFOA	*110*		*25 - 150*
13C5 PFNA	*111*		*25 - 150*
13C2 PFDA	*113*		*25 - 150*
13C2 PFUnA	*110*		*25 - 150*
13C2 PFDoA	*108*		*25 - 150*
13C2 PFTeDA	*103*		*25 - 150*
13C3 PFBS	*120*		*25 - 150*
18O2 PFHxS	*112*		*25 - 150*
13C4 PFOS	*120*		*25 - 150*
13C8 FOSA	*116*		*25 - 150*
d3-NMeFOSAA	*110*		*25 - 150*
d5-NEtFOSAA	*115*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-568468/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 568876 **Prep Batch: 568468**

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*113*		*25 - 150*
M2-8:2 FTS	*108*		*25 - 150*

Lab Sample ID: 180-134147-21 MS **Client Sample ID: SSHS-IRM5A2-A2-A77C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 568876 **Prep Batch: 568468**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.070	J	2.25	2.27		ug/Kg	☼	98	76 - 136
Perfluoropentanoic acid (PFPeA)	0.043	J	2.25	2.36		ug/Kg	☼	103	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.25	2.69		ug/Kg	☼	119	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.25	2.12		ug/Kg	☼	94	71 - 131
Perfluorooctanoic acid (PFOA)	0.077	J	2.25	2.19		ug/Kg	☼	94	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.25	2.09		ug/Kg	☼	93	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.25	2.11		ug/Kg	☼	94	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.25	2.18		ug/Kg	☼	97	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.25	2.18		ug/Kg	☼	97	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.25	2.17		ug/Kg	☼	96	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.25	2.09		ug/Kg	☼	93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.99	1.80		ug/Kg	☼	90	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.05	1.92		ug/Kg	☼	94	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.14	1.95		ug/Kg	☼	91	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.12	J I	2.09	1.96		ug/Kg	☼	88	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.17	1.97		ug/Kg	☼	91	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.25	2.16		ug/Kg	☼	96	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.25	2.28		ug/Kg	☼	101	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.25	2.02		ug/Kg	☼	90	72 - 132
6:2 FTS	ND		2.13	1.76		ug/Kg	☼	83	73 - 139
8:2 FTS	ND		2.16	2.34		ug/Kg	☼	108	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*49*		*25 - 150*
13C5 PFPeA	*95*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*103*		*25 - 150*
13C4 PFOA	*104*		*25 - 150*
13C5 PFNA	*105*		*25 - 150*
13C2 PFDA	*107*		*25 - 150*
13C2 PFUnA	*104*		*25 - 150*
13C2 PFDoA	*95*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134147-21 MS
Matrix: Solid
Analysis Batch: 568876

Client Sample ID: SSHS-IRM5A2-A2-A77C
Prep Type: Total/NA
Prep Batch: 568468

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	89		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	99		25 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	105		25 - 150
M2-6:2 FTS	171	*5+	25 - 150
M2-8:2 FTS	163	*5+	25 - 150

Lab Sample ID: 180-134147-21 MSD
Matrix: Solid
Analysis Batch: 568876

Client Sample ID: SSHS-IRM5A2-A2-A77C
Prep Type: Total/NA
Prep Batch: 568468

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.070	J	2.13	2.21		ug/Kg	☼	101	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)	0.043	J	2.13	2.16		ug/Kg	☼	99	69 - 129	9	30
Perfluorohexanoic acid (PFHxA)	ND		2.13	2.00		ug/Kg	☼	94	71 - 131	30	30
Perfluoroheptanoic acid (PFHpA)	ND		2.13	1.98		ug/Kg	☼	93	71 - 131	7	30
Perfluorooctanoic acid (PFOA)	0.077	J	2.13	2.12		ug/Kg	☼	96	72 - 132	3	30
Perfluorononanoic acid (PFNA)	ND		2.13	2.08		ug/Kg	☼	98	73 - 133	1	30
Perfluorodecanoic acid (PFDA)	ND		2.13	1.88		ug/Kg	☼	89	72 - 132	11	30
Perfluoroundecanoic acid (PFUnA)	ND		2.13	2.07		ug/Kg	☼	97	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.13	2.00		ug/Kg	☼	94	71 - 131	9	30
Perfluorotridecanoic acid (PFTriA)	ND		2.13	1.98		ug/Kg	☼	93	71 - 131	9	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.13	1.95		ug/Kg	☼	92	67 - 127	7	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.88	1.56		ug/Kg	☼	83	69 - 129	14	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.93	1.80		ug/Kg	☼	93	62 - 122	7	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.02	1.77		ug/Kg	☼	88	76 - 136	9	30
Perfluorooctanesulfonic acid (PFOS)	0.12	J I	1.97	1.88		ug/Kg	☼	89	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.05	1.82		ug/Kg	☼	89	71 - 131	8	30
Perfluorooctanesulfonamide (FOSA)	ND		2.13	2.02		ug/Kg	☼	95	77 - 137	7	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.13	2.14		ug/Kg	☼	101	72 - 132	6	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.13	1.89		ug/Kg	☼	89	72 - 132	7	30
6:2 FTS	ND		2.02	1.77		ug/Kg	☼	88	73 - 139	0	30
8:2 FTS	ND		2.04	1.98		ug/Kg	☼	97	75 - 135	17	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	32		25 - 150
13C5 PFPeA	96		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134147-21 MSD
Matrix: Solid
Analysis Batch: 568876

Client Sample ID: SSHS-IRM5A2-A2-A77C
Prep Type: Total/NA
Prep Batch: 568468

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	106		25 - 150
13C4 PFHpA	109		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	108		25 - 150
13C2 PFDA	115		25 - 150
13C2 PFUnA	108		25 - 150
13C2 PFDoA	99		25 - 150
13C2 PFTeDA	88		25 - 150
13C3 PFBS	106		25 - 150
18O2 PFHxS	100		25 - 150
13C4 PFOS	106		25 - 150
13C8 FOSA	110		25 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	112		25 - 150
M2-6:2 FTS	163	*5+	25 - 150
M2-8:2 FTS	177	*5+	25 - 150

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 568468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	SHAKE	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	SHAKE	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	SHAKE	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	SHAKE	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	SHAKE	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	SHAKE	
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	SHAKE	
MB 320-568468/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-568468/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-134147-21 MS	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	SHAKE	
180-134147-21 MSD	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	SHAKE	

Analysis Batch: 568876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	537 (modified)	568468
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	537 (modified)	568468
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	537 (modified)	568468
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	537 (modified)	568468
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	537 (modified)	568468
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	537 (modified)	568468
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	537 (modified)	568468
MB 320-568468/1-A	Method Blank	Total/NA	Solid	537 (modified)	568468
LCS 320-568468/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	568468
180-134147-21 MS	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	537 (modified)	568468
180-134147-21 MSD	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	537 (modified)	568468

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A71A	2/23/22	1130	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A71B	2/23/22	1130	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A71C	2/23/22	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A72A	2/23/22	1140	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A72B	2/23/22	1140	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A72C	2/23/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A73A	2/23/22	1150	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A73B	2/23/22	1150	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A73C	2/23/22	1150	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A74A	2/23/22	1400	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A74B	2/23/22	1400	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Mon

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		23/Feb/2022 1800	Geosyntec		2/24/22 1830	EET APH
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-134147 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A74C	2/23/22	1400	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A75A	2/23/22	1410	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A75B	2/23/22	1410	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A75C	2/23/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A76A	2/23/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A76B	2/23/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A76C	2/23/22	1420	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A77A	2/23/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A77B	2/23/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A77C	2/23/22	1430	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		23/Feb/2022 1300	GeoSyntec		2/24/22 0930	EBTHRITT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-134147 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A71A	2/23/22	1130	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A71B	2/23/22	1130	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A71C	2/23/22	1130	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A72A	2/23/22	1140	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A72B	2/23/22	1140	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A72C	2/23/22	1140	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A73A	2/23/22	1150	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A73B	2/23/22	1150	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A73C	2/23/22	1150	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A74A	2/23/22	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A74B	2/23/22	1400	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	23/Feb/2022 1500	Geosyntec	[signature]	2/24/22 1105	[illegible]
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.0c

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A74C	2/23/22	1400	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A75A	2/23/22	1410	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A75B	2/23/22	1410	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A75C	2/23/22	1410	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A76A	2/23/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A76B	2/23/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A76C	2/23/22	1420	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A77A	2/23/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A77B	2/23/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A77C	2/23/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Alex Waheed	23/Feb/2022 1800	Geosyntec		2/24/22 1105	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-134147 Field Sheet

Tracking # : 776083241254

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 602 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 3.0 °C Corrected: 3.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JB Date: 2/24/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 2/24/22

Notes: Samples have the incorrect Sample ID. # 9 #12

~~# 9-SHSS-IRM5AD-A2-73C~~

~~# 9-SSHS-IRM5AD-A2-73C~~ JB 2/24/22

12SHSS-IRM5AD-A2-74C

JB 2/24/22

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☐	☐	☑

Initials: JB Date: 2/24/22

WR3-13A

RT 243 8 C
FZ 16:30
2676
02.24

XW BLUA

SMF 95605
CA-US

TRK# 7760 8324 8294
0201

PRIORITY OVERNIGHT

THU - 24 FEB 10:30A

FedEx Express

J211823090801uu

560J/A027/CFE4A

TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
REF: MN0832I
INV: 01
PO: 28
DEPT: 1751

ORIGIN ID:BLUA (248) 898-7556
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
705 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US

BILL SENDER

SHIP DATE: 23FEB22
ACTWGT: 50.00 LB
CAD: 252144956/INET4460
DIMS: 30x18x12 IN

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134147-2

Login Number: 134147
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134147-2

Login Number: 134147
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134244-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/1/2022 2:35:18 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134244-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134244-2

Receipt
The samples were received on 2/25/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4º C and 5.4º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery of M2-8:2 FTS is above the method recommended limit for the following samples: SSHS-IRM5A2-A2-A78C (180-134244-3) and its matrix spikes. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery of 13C4 PFBA is below the method recommended limit for the following sample: the matrix spike duplicate of SSHS-IRM5A2-A2-A78C (180-134244-3). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 537 (modified): The matrix spike/matrix spike duplicate (MS/MSD) recoveries of sample SSHS-IRM5A2-A2-A78C (180-134244-3) were below the control limits for Perfluoroheptanesulfonic Acid (PFHpS). The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134244-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134244-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	02-28-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134244-3	SSHS-IRM5A2-A2-A78C	Solid	02/24/22 17:00	02/25/22 11:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-2

Client Sample ID: SSHS-IRM5A2-A2-A78C
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-3
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.35 g	10.0 mL	568908	02/25/22 11:30	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			568972	02/28/22 15:07	K1S	TAL SAC
	Instrument ID: A13									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-2

Client Sample ID: SSHS-IRM5A2-A2-A78C
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-3
Matrix: Solid
Percent Solids: 83.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.071**	**J**	0.22	0.051	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluoropentanoic acid (PFPeA)	**0.18**	**J**	0.22	0.046	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorohexanoic acid (PFHxA)	**0.067**	**J**	0.22	0.035	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorooctanoic acid (PFOA)	**0.16**	**J**	0.22	0.059	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND	F1	0.22	0.055	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J**	0.22	0.048	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	02/25/22 11:30	02/28/22 15:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*52*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C5 PFPeA	*86*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C2 PFHxA	*91*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C4 PFHpA	*90*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C4 PFOA	*90*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C5 PFNA	*93*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C2 PFDA	*105*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C2 PFUnA	*106*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C2 PFDoA	*93*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C3 PFBS	*92*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
18O2 PFHxS	*78*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C4 PFOS	*104*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
13C8 FOSA	*100*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
M2-6:2 FTS	*142*		*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*
M2-8:2 FTS	*174*	**5+*	*25 - 150*	*02/25/22 11:30*	*02/28/22 15:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-568908/1-A
Matrix: Solid
Analysis Batch: 568972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 568908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/25/22 11:30	02/28/22 13:54	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/25/22 11:30	02/28/22 13:54	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C5 PFPeA	*85*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C2 PFHxA	*97*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C4 PFHpA	*93*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C4 PFOA	*92*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C5 PFNA	*104*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C2 PFDA	*107*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C2 PFUnA	*103*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C2 PFDoA	*94*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C3 PFBS	*98*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
18O2 PFHxS	*100*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C4 PFOS	*118*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
13C8 FOSA	*107*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
d3-NMeFOSAA	*108*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
M2-6:2 FTS	*94*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*02/25/22 11:30*	*02/28/22 13:54*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-568908/2-A
Matrix: Solid
Analysis Batch: 568972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 568908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.80		ug/Kg		90	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.64		ug/Kg		82	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.89		ug/Kg		95	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.81		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.73		ug/Kg		86	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.85		ug/Kg		92	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.99		ug/Kg		100	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.92		ug/Kg		96	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.21		ug/Kg		111	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.75		ug/Kg		88	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.46		ug/Kg		83	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.63		ug/Kg		90	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.62		ug/Kg		85	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.57		ug/Kg		84	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.41		ug/Kg		73	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.94		ug/Kg		97	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.95		ug/Kg		97	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.93		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.89		ug/Kg		99	73 - 139
8:2 FTS	1.92	1.79		ug/Kg		94	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*61*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*94*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*106*		*25 - 150*
13C2 PFDA	*109*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*97*		*25 - 150*
13C3 PFBS	*103*		*25 - 150*
18O2 PFHxS	*93*		*25 - 150*
13C4 PFOS	*117*		*25 - 150*
13C8 FOSA	*110*		*25 - 150*
d3-NMeFOSAA	*105*		*25 - 150*
d5-NEtFOSAA	*107*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-568908/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 568972 **Prep Batch: 568908**

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*88*		*25 - 150*
M2-8:2 FTS	*98*		*25 - 150*

Lab Sample ID: 180-134244-3 MS **Client Sample ID: SSHS-IRM5A2-A2-A78C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 568972 **Prep Batch: 568908**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.071	J	2.20	2.37		ug/Kg	☼	105	76 - 136
Perfluoropentanoic acid (PFPeA)	0.18	J	2.20	2.19		ug/Kg	☼	92	69 - 129
Perfluorohexanoic acid (PFHxA)	0.067	J	2.20	2.46		ug/Kg	☼	109	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.20	2.20		ug/Kg	☼	100	71 - 131
Perfluorooctanoic acid (PFOA)	0.16	J	2.20	2.16		ug/Kg	☼	91	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.20	2.10		ug/Kg	☼	95	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.20	2.09		ug/Kg	☼	95	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.20	1.97		ug/Kg	☼	89	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.20	2.04		ug/Kg	☼	93	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.20	2.21		ug/Kg	☼	101	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.20	2.07		ug/Kg	☼	94	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.94	1.66		ug/Kg	☼	86	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.00	1.87		ug/Kg	☼	93	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND	F1	2.09	1.53	F1	ug/Kg	☼	73	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.19	J	2.04	2.13		ug/Kg	☼	95	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.12	1.72		ug/Kg	☼	81	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.20	2.23		ug/Kg	☼	101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.20	2.15		ug/Kg	☼	98	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.20	2.33		ug/Kg	☼	106	72 - 132
6:2 FTS	ND		2.08	2.04		ug/Kg	☼	98	73 - 139
8:2 FTS	ND		2.11	2.06		ug/Kg	☼	98	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*44*		*25 - 150*
13C5 PFPeA	*79*		*25 - 150*
13C2 PFHxA	*91*		*25 - 150*
13C4 PFHpA	*85*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*102*		*25 - 150*
13C2 PFUnA	*104*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134244-3 MS
Matrix: Solid
Analysis Batch: 568972

Client Sample ID: SSHS-IRM5A2-A2-A78C
Prep Type: Total/NA
Prep Batch: 568908

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	72		25 - 150
13C3 PFBS	90		25 - 150
18O2 PFHxS	78		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	97		25 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	98		25 - 150
M2-6:2 FTS	143		25 - 150
M2-8:2 FTS	179	*5+	25 - 150

Lab Sample ID: 180-134244-3 MSD
Matrix: Solid
Analysis Batch: 568972

Client Sample ID: SSHS-IRM5A2-A2-A78C
Prep Type: Total/NA
Prep Batch: 568908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.071	J	2.31	2.68		ug/Kg	☼	113	76 - 136	12	30
Perfluoropentanoic acid (PFPeA)	0.18	J	2.31	2.26		ug/Kg	☼	90	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	0.067	J	2.31	2.37		ug/Kg	☼	100	71 - 131	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.31	2.35		ug/Kg	☼	102	71 - 131	7	30
Perfluorooctanoic acid (PFOA)	0.16	J	2.31	2.22		ug/Kg	☼	90	72 - 132	3	30
Perfluorononanoic acid (PFNA)	ND		2.31	2.39		ug/Kg	☼	103	73 - 133	13	30
Perfluorodecanoic acid (PFDA)	ND		2.31	2.09		ug/Kg	☼	90	72 - 132	0	30
Perfluoroundecanoic acid (PFUnA)	ND		2.31	2.14		ug/Kg	☼	93	66 - 126	8	30
Perfluorododecanoic acid (PFDoA)	ND		2.31	2.24		ug/Kg	☼	97	71 - 131	9	30
Perfluorotridecanoic acid (PFTriA)	ND		2.31	2.46		ug/Kg	☼	106	71 - 131	10	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.31	2.30		ug/Kg	☼	99	67 - 127	10	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.04	1.82		ug/Kg	☼	89	69 - 129	9	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.10	1.97		ug/Kg	☼	94	62 - 122	5	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	F1	2.20	1.63	F1	ug/Kg	☼	74	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	0.19	J	2.14	2.18		ug/Kg	☼	93	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.23	1.73		ug/Kg	☼	78	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	ND		2.31	2.37		ug/Kg	☼	103	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.31	2.36		ug/Kg	☼	102	72 - 132	9	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.31	2.46		ug/Kg	☼	106	72 - 132	5	30
6:2 FTS	ND		2.19	2.38		ug/Kg	☼	109	73 - 139	15	30
8:2 FTS	ND		2.21	2.17		ug/Kg	☼	98	75 - 135	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	20	*5-	25 - 150
13C5 PFPeA	71		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134244-3 MSD
Matrix: Solid
Analysis Batch: 568972

Client Sample ID: SSHS-IRM5A2-A2-A78C
Prep Type: Total/NA
Prep Batch: 568908

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	93		25 - 150
13C4 PFHpA	86		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	105		25 - 150
13C2 PFDoA	89		25 - 150
13C2 PFTeDA	74		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	84		25 - 150
13C4 PFOS	107		25 - 150
13C8 FOSA	101		25 - 150
d3-NMeFOSAA	98		25 - 150
d5-NEtFOSAA	105		25 - 150
M2-6:2 FTS	124		25 - 150
M2-8:2 FTS	173	*5+	25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-2

LCMS

Prep Batch: 568908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	SHAKE	
MB 320-568908/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-568908/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-134244-3 MS	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	SHAKE	
180-134244-3 MSD	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	SHAKE	

Analysis Batch: 568972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	537 (modified)	568908
MB 320-568908/1-A	Method Blank	Total/NA	Solid	537 (modified)	568908
LCS 320-568908/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	568908
180-134244-3 MS	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	537 (modified)	568908
180-134244-3 MSD	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	537 (modified)	568908

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 day		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A78A	2/24/22	1700	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A78B	2/24/22	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A78C	2/24/22	1700	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/24/22 1730			2/25/22 1130	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A78A	2/24/22	1700	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A78B	2/24/22	1700	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A78C	2/24/22	1700	C	S	N	N		X	X	X	X	X	X	X	5	

180-134244 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2/24/22 1730		[signature]	2/25/22	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 168 6891	Cooler Temperature(s) °C and Other Remarks: 5,4

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Tracking # : 7760 8335 2588

Job:___ 180-134244 Field Sheet ___

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 102 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: 1668891

Cooler ID: _____

Temp Observed: 5.4 °C Corrected: 5.4 °C

From: Temp Blank ☐ Sample: ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 2/25/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☐	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☑ NC 2-25-22	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☐	☐	☑

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 2/25/22

Notes: ONLY 2 CONTAINERS IN COOLER FOR SAMPLE SSHS-IRM5A2-A78C

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 2-25-22

WR3-138

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134244-2

Login Number: 134244
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134244-2

Login Number: 134244
List Number: 2
Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento
List Creation: 02/25/22 06:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688891
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134147-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/4/2022 3:58:12 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134147-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134147-1

Receipt
The samples were received on 2/24/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.3º C and 4.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A71C (180-134147-3) and SSHS-IRM5A2-A2-A72C (180-134147-6). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-389716 was above criteria for the following analytes: 4-Nitrophenol and 2,4,6-Tribromophenol (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. All associated sample surrogate recoveries were within the control limits.

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-389915 was above criteria for the following analyte: Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. All associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-389703 (CCVIS 180-389703/27) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1 and below criteria for surrogate decachlorobiphenyl on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 7471B: The matrix spike (MS) of sample SSHS-IRM5A2-A2-A71C (180-134147-3) had the recovery of mercury above the control limits. The RPD between the spikes and the recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 9014: The laboratory control sample for total cyanide, (LCS 180-389885/3-A), was analyzed at a 2x dilution. Due to manual entry of results for this analysis batch into the LIMS instead of instrumental upload, the raw data concentration for the LCS was divided by a factor of 2 for entry into the LIMS. The LIMS calculation then applies the 2x dilution factor to the result to calculate the final concentration. If instrumental upload of results is done, the LIMS does not preform additional dilution calculations.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134147-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134147-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134147-1	SSHS-IRM5A2-A2-A71A	Solid	02/23/22 11:30	02/24/22 12:30
180-134147-2	SSHS-IRM5A2-A2-A71B	Solid	02/23/22 11:30	02/24/22 12:30
180-134147-3	SSHS-IRM5A2-A2-A71C	Solid	02/23/22 11:30	02/24/22 12:30
180-134147-4	SSHS-IRM5A2-A2-A72A	Solid	02/23/22 11:40	02/24/22 12:30
180-134147-5	SSHS-IRM5A2-A2-A72B	Solid	02/23/22 11:40	02/24/22 12:30
180-134147-6	SSHS-IRM5A2-A2-A72C	Solid	02/23/22 11:40	02/24/22 12:30
180-134147-7	SSHS-IRM5A2-A2-A73A	Solid	02/23/22 11:50	02/24/22 12:30
180-134147-8	SSHS-IRM5A2-A2-A73B	Solid	02/23/22 11:50	02/24/22 12:30
180-134147-9	SSHS-IRM5A2-A2-A73C	Solid	02/23/22 11:50	02/24/22 12:30
180-134147-10	SSHS-IRM5A2-A2-A74A	Solid	02/23/22 14:00	02/24/22 12:30
180-134147-11	SSHS-IRM5A2-A2-A74B	Solid	02/23/22 14:00	02/24/22 12:30
180-134147-12	SSHS-IRM5A2-A2-A74C	Solid	02/23/22 14:00	02/24/22 12:30
180-134147-13	SSHS-IRM5A2-A2-A75A	Solid	02/23/22 14:10	02/24/22 12:30
180-134147-14	SSHS-IRM5A2-A2-A75B	Solid	02/23/22 14:10	02/24/22 12:30
180-134147-15	SSHS-IRM5A2-A2-A75C	Solid	02/23/22 14:10	02/24/22 12:30
180-134147-16	SSHS-IRM5A2-A2-A76A	Solid	02/23/22 14:20	02/24/22 12:30
180-134147-17	SSHS-IRM5A2-A2-A76B	Solid	02/23/22 14:20	02/24/22 12:30
180-134147-18	SSHS-IRM5A2-A2-A76C	Solid	02/23/22 14:20	02/24/22 12:30
180-134147-19	SSHS-IRM5A2-A2-A77A	Solid	02/23/22 14:30	02/24/22 12:30
180-134147-20	SSHS-IRM5A2-A2-A77B	Solid	02/23/22 14:30	02/24/22 12:30
180-134147-21	SSHS-IRM5A2-A2-A77C	Solid	02/23/22 14:30	02/24/22 12:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A71A
Lab Sample ID: 180-134147-1
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A71A
Lab Sample ID: 180-134147-1
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9426 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 09:16	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A71B
Lab Sample ID: 180-134147-2
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A71B
Lab Sample ID: 180-134147-2
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9821 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 09:39	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A71C
Lab Sample ID: 180-134147-3
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A71C
Lab Sample ID: 180-134147-3
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	389915	03/01/22 15:51	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A71C

Lab Sample ID: 180-134147-3
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 18:00	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.35 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 08:54	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.88 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:04	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:16	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.23 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:34	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A72A

Lab Sample ID: 180-134147-4
Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A72A

Lab Sample ID: 180-134147-4
Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0371 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 10:03	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A72B

Lab Sample ID: 180-134147-5
Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A72B
Date Collected: 02/23/22 11:40
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-5
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0158 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 10:26	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A72C
Date Collected: 02/23/22 11:40
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A72C
Date Collected: 02/23/22 11:40
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-6
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		4	1 mL	1 mL	389915	03/01/22 16:14	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 18:18	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.15 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 08:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:07	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:15	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.28 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:36	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A73A
Date Collected: 02/23/22 11:50
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A73A
Lab Sample ID: 180-134147-7
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0543 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 10:51	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A73B
Lab Sample ID: 180-134147-8
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A73B
Lab Sample ID: 180-134147-8
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9942 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 11:15	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A73C
Lab Sample ID: 180-134147-9
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A73C
Lab Sample ID: 180-134147-9
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	389915	03/01/22 16:36	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 18:37	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.17 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 09:03	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A73C
Lab Sample ID: 180-134147-9
Date Collected: 02/23/22 11:50
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.80 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:08	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.46 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:14	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:37	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A74A
Lab Sample ID: 180-134147-10
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A74A
Lab Sample ID: 180-134147-10
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8539 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 11:37	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A74B
Lab Sample ID: 180-134147-11
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A74B
Lab Sample ID: 180-134147-11
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2637 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 12:01	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A74C
Lab Sample ID: 180-134147-12
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A74C
Lab Sample ID: 180-134147-12
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	389915	03/01/22 16:58	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 18:56	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.20 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 09:07	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.79 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:09	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:13	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:39	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A75A
Lab Sample ID: 180-134147-13
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A75A
Lab Sample ID: 180-134147-13
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.109 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 12:24	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A75B
Lab Sample ID: 180-134147-14
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A75B
Lab Sample ID: 180-134147-14
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2085 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 12:48	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A75C
Lab Sample ID: 180-134147-15
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A75C
Lab Sample ID: 180-134147-15
Date Collected: 02/23/22 14:10
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	389915	03/01/22 17:21	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 19:15	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.14 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 09:21	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.89 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:14	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:12	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.20 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:44	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A76A
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A76A
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-16
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9445 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 13:11	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A76B
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A76B
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-17
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0454 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 13:34	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A76C
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A76C
Date Collected: 02/23/22 14:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-18
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	389915	03/01/22 17:43	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A76C

Lab Sample ID: 180-134147-18
Date Collected: 02/23/22 14:20
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 19:34	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.00 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 09:25	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.85 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:15	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:11	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.26 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:46	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A77A

Lab Sample ID: 180-134147-19
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A77A

Lab Sample ID: 180-134147-19
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1155 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 13:58	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A77B

Lab Sample ID: 180-134147-20
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389617	02/25/22 13:09	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A77B
Lab Sample ID: 180-134147-20
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8601 g	5 mL	389516	02/25/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389514	02/25/22 14:21	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A77C
Lab Sample ID: 180-134147-21
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389622	02/25/22 13:35	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A77C
Lab Sample ID: 180-134147-21
Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	389495	02/24/22 19:06	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	389915	03/01/22 18:06	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	389492	02/24/22 17:49	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389713	02/28/22 06:06	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389714	02/28/22 06:07	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 19:53	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.64 g	100 mL	389558	02/25/22 10:32	KEM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			389908	03/01/22 09:30	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:18	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:26	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:48	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:
TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - JCR = Jessica Rodgers
  - KEM = Kimberly Mahoney
  - KLG = Kathy Gordon
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JCR = Jessica Rodgers
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A71A
Lab Sample ID: 180-134147-1
Date Collected: 02/23/22 11:30 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 88.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	02/25/22 06:00	02/25/22 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*02/25/22 06:00*	*02/25/22 09:16*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*02/25/22 06:00*	*02/25/22 09:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*02/25/22 06:00*	*02/25/22 09:16*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/25/22 06:00*	*02/25/22 09:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.1		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	88.9		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A71B
Lab Sample ID: 180-134147-2
Date Collected: 02/23/22 11:30 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 88.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1

Client Sample ID: SSHS-IRM5A2-A2-A71B
Lab Sample ID: 180-134147-2
Date Collected: 02/23/22 11:30 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 88.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	02/25/22 06:00	02/25/22 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*02/25/22 06:00*	*02/25/22 09:39*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*02/25/22 06:00*	*02/25/22 09:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*02/25/22 06:00*	*02/25/22 09:39*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*02/25/22 06:00*	*02/25/22 09:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.5**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**88.5**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A71C
Lab Sample ID: 180-134147-3
Date Collected: 02/23/22 11:30 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 89.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.037	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Acenaphthylene	**0.055**		0.037	0.0080	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Anthracene	**0.057**		0.037	0.0095	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Benzo[a]anthracene	**0.10**		0.037	0.017	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5

Client: Geosyntec Consultants, Inc.
Job ID: 180-134147-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A71C
Lab Sample ID: 180-134147-3
Date Collected: 02/23/22 11:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.11**		0.037	0.016	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Benzo[b]fluoranthene	**0.13**		0.037	0.0090	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Benzo[g,h,i]perylene	**0.17**		0.037	0.0079	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Benzo[k]fluoranthene	**0.044**		0.037	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Chrysene	**0.11**		0.037	0.020	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Dibenz(a,h)anthracene	**0.032**	**J**	0.037	0.023	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Dibenzofuran	ND		0.18	0.068	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
1,4-Dioxane	ND		0.37	0.057	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Fluoranthene	**0.22**		0.037	0.0097	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Fluorene	**0.012**	**J**	0.037	0.0072	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Hexachlorobenzene	ND		0.037	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Hexachlorobutadiene	ND		0.037	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Hexachloroethane	ND		0.18	0.065	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Indeno[1,2,3-cd]pyrene	**0.12**		0.037	0.018	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
2-Methylphenol	ND		0.18	0.052	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Methylphenol, 3 & 4	ND		0.18	0.054	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Naphthalene	**0.020**	**J**	0.037	0.0071	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Nitrobenzene	ND		0.37	0.067	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Pentachlorophenol	ND		0.93	0.29	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Phenanthrene	**0.12**		0.037	0.0098	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Phenol	ND		0.18	0.055	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Pyrene	**0.17**		0.037	0.0087	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
Pyridine	ND		0.37	0.099	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
2,4,5-Trichlorophenol	ND		0.18	0.064	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5
2,4,6-Trichlorophenol	ND		0.18	0.061	mg/Kg	☼	02/24/22 19:06	03/01/22 15:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*02/24/22 19:06*	*03/01/22 15:51*	*5*
2-Fluorophenol (Surr)	*91*		*32 - 105*	*02/24/22 19:06*	*03/01/22 15:51*	*5*
Nitrobenzene-d5 (Surr)	*78*		*34 - 109*	*02/24/22 19:06*	*03/01/22 15:51*	*5*
Phenol-d5 (Surr)	*77*		*34 - 105*	*02/24/22 19:06*	*03/01/22 15:51*	*5*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*02/24/22 19:06*	*03/01/22 15:51*	*5*
2,4,6-Tribromophenol (Surr)	*88*		*20 - 119*	*02/24/22 19:06*	*03/01/22 15:51*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1248	**0.75**		0.018	0.0044	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1254	**0.51**		0.018	0.0055	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1262	ND		0.018	0.0065	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	02/24/22 17:49	02/28/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:00*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:00*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A71C — Lab Sample ID: 180-134147-3

Date Collected: 02/23/22 11:30 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 89.3**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:00*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:00*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		0.83	0.52	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Barium	**82**		17	3.0	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Beryllium	**0.34**		0.33	0.090	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Cadmium	**0.11**	**J**	0.41	0.061	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Chromium	**10**		0.41	0.38	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Copper	**24**		2.1	1.3	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Lead	**18**		0.83	0.72	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Manganese	**480**		1.2	0.23	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Nickel	**18**		3.3	0.42	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Selenium	ND		0.83	0.38	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Silver	ND		0.41	0.086	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1
Zinc	**78**		1.7	0.99	mg/Kg	☼	02/25/22 10:32	03/01/22 08:54	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**F1**	0.025	0.016	mg/Kg	☼	03/01/22 07:35	03/02/22 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**89.3**		0.1	0.1	%			02/25/22 13:09	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	03/01/22 21:31	03/03/22 15:16	1
Cyanide, Total	ND		0.49	0.37	mg/Kg	☼	03/01/22 10:30	03/01/22 14:34	1

Client Sample ID: SSHS-IRM5A2-A2-A72A — Lab Sample ID: 180-134147-4

Date Collected: 02/23/22 11:40 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 89.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1

Client Sample ID: SSHS-IRM5A2-A2-A72A

Lab Sample ID: 180-134147-4

Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.0

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/25/22 06:00	02/25/22 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*02/25/22 06:00*	*02/25/22 10:03*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*02/25/22 06:00*	*02/25/22 10:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*02/25/22 06:00*	*02/25/22 10:03*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*02/25/22 06:00*	*02/25/22 10:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**89.0**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A72B

Lab Sample ID: 180-134147-5

Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Chlorobenzene	ND		0.0056	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1

Client Sample ID: SSHS-IRM5A2-A2-A72B
Lab Sample ID: 180-134147-5

Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
tert-Butylbenzene	ND		0.0056	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
trans-1,2-Dichloroethene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Trichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/25/22 06:00	02/25/22 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*02/25/22 06:00*	*02/25/22 10:26*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*02/25/22 06:00*	*02/25/22 10:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*02/25/22 06:00*	*02/25/22 10:26*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/25/22 06:00*	*02/25/22 10:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**89.7**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A72C
Lab Sample ID: 180-134147-6

Date Collected: 02/23/22 11:40
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 90.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.017**	**J**	0.030	0.0085	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Acenaphthylene	**0.55**		0.030	0.0065	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Anthracene	**0.37**		0.030	0.0077	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Benzo[a]anthracene	**0.77**		0.030	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Benzo[a]pyrene	**0.99**		0.030	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Benzo[b]fluoranthene	**1.1**		0.030	0.0073	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Benzo[g,h,i]perylene	**0.98**		0.030	0.0064	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Benzo[k]fluoranthene	**0.37**		0.030	0.0088	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Chrysene	**0.85**		0.030	0.016	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Dibenz(a,h)anthracene	**0.25**		0.030	0.019	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Dibenzofuran	ND		0.15	0.054	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
2,4-Dinitrotoluene	ND		0.15	0.088	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
1,4-Dioxane	ND		0.29	0.046	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Fluoranthene	**0.75**		0.030	0.0078	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Fluorene	**0.045**		0.030	0.0058	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Hexachlorobenzene	ND		0.030	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Hexachlorobutadiene	ND		0.030	0.0086	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Hexachloroethane	ND		0.15	0.052	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Indeno[1,2,3-cd]pyrene	**0.82**		0.030	0.015	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4

Client Sample ID: SSHS-IRM5A2-A2-A72C
Date Collected: 02/23/22 11:40
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-6
Matrix: Solid
Percent Solids: 90.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.15	0.042	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Methylphenol, 3 & 4	ND		0.15	0.043	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Naphthalene	**0.066**		0.030	0.0057	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Nitrobenzene	ND		0.29	0.054	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Pentachlorophenol	ND		0.75	0.24	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Phenanthrene	**0.15**		0.030	0.0079	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Phenol	ND		0.15	0.045	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Pyrene	**1.0**		0.030	0.0070	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
Pyridine	ND		0.30	0.080	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
2,4,5-Trichlorophenol	ND		0.15	0.051	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4
2,4,6-Trichlorophenol	ND		0.15	0.049	mg/Kg	☼	02/24/22 19:06	03/01/22 16:14	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*02/24/22 19:06*	*03/01/22 16:14*	*4*
2-Fluorophenol (Surr)	*52*		*32 - 105*	*02/24/22 19:06*	*03/01/22 16:14*	*4*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*02/24/22 19:06*	*03/01/22 16:14*	*4*
Phenol-d5 (Surr)	*57*		*34 - 105*	*02/24/22 19:06*	*03/01/22 16:14*	*4*
Terphenyl-d14 (Surr)	*67*		*20 - 117*	*02/24/22 19:06*	*03/01/22 16:14*	*4*
2,4,6-Tribromophenol (Surr)	*48*		*20 - 119*	*02/24/22 19:06*	*03/01/22 16:14*	*4*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1254	**0.070**		0.018	0.0055	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	02/24/22 17:49	02/28/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:18*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:18*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:18*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:18*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.96	0.60	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Barium	**61**		19	3.4	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Beryllium	**0.34**	**J**	0.38	0.10	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Cadmium	**0.14**	**J**	0.48	0.071	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Chromium	**9.3**		0.48	0.44	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Copper	**22**		2.4	1.5	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Lead	**13**		0.96	0.84	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Manganese	**370**		1.4	0.27	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Nickel	**16**		3.8	0.48	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Selenium	**0.51**	**J**	0.96	0.44	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1

Client Sample ID: SSHS-IRM5A2-A2-A72C
Lab Sample ID: 180-134147-6
Date Collected: 02/23/22 11:40 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 90.4**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.48	0.10	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1
Zinc	**57**		1.9	1.1	mg/Kg	☼	02/25/22 10:32	03/01/22 08:58	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J**	0.035	0.023	mg/Kg	☼	03/01/22 07:35	03/02/22 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**90.4**		0.1	0.1	%			02/25/22 13:09	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	03/01/22 21:31	03/03/22 15:15	1
Cyanide, Total	ND		0.39	0.30	mg/Kg	☼	03/01/22 10:30	03/01/22 14:36	1

Client Sample ID: SSHS-IRM5A2-A2-A73A
Lab Sample ID: 180-134147-7
Date Collected: 02/23/22 11:50 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 91.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	02/25/22 06:00	02/25/22 10:51	1

Client Sample ID: SSHS-IRM5A2-A2-A73A — Lab Sample ID: 180-134147-7

Date Collected: 02/23/22 11:50 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 91.9**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*02/25/22 06:00*	*02/25/22 10:51*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*02/25/22 06:00*	*02/25/22 10:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*02/25/22 06:00*	*02/25/22 10:51*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*02/25/22 06:00*	*02/25/22 10:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.1**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**91.9**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A73B — Lab Sample ID: 180-134147-8

Date Collected: 02/23/22 11:50 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 96.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	02/25/22 06:00	02/25/22 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*02/25/22 06:00*	*02/25/22 11:15*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*02/25/22 06:00*	*02/25/22 11:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*02/25/22 06:00*	*02/25/22 11:15*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A73B — Lab Sample ID: 180-134147-8

Date Collected: 02/23/22 11:50 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 96.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/25/22 06:00*	*02/25/22 11:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.4**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**96.6**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A73C — Lab Sample ID: 180-134147-9

Date Collected: 02/23/22 11:50 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 94.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0035**	**J**	0.0070	0.0020	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Acenaphthylene	**0.086**		0.0070	0.0015	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Anthracene	**0.056**		0.0070	0.0018	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Benzo[a]anthracene	**0.052**		0.0070	0.0032	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Benzo[a]pyrene	**0.070**		0.0070	0.0030	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Benzo[b]fluoranthene	**0.099**		0.0070	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Benzo[g,h,i]perylene	**0.11**		0.0070	0.0015	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Benzo[k]fluoranthene	**0.033**		0.0070	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Chrysene	**0.068**		0.0070	0.0039	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Dibenz(a,h)anthracene	**0.027**		0.0070	0.0045	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Fluoranthene	**0.079**		0.0070	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Fluorene	**0.0079**		0.0070	0.0014	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Hexachlorobutadiene	ND		0.0070	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Indeno[1,2,3-cd]pyrene	**0.099**		0.0070	0.0035	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Naphthalene	**0.012**		0.0070	0.0014	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Phenanthrene	**0.027**		0.0070	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Phenol	ND		0.035	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Pyrene	**0.090**		0.0070	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*80*		*35 - 105*	*02/24/22 19:06*	*03/01/22 16:36*	*1*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*02/24/22 19:06*	*03/01/22 16:36*	*1*
Nitrobenzene-d5 (Surr)	*83*		*34 - 109*	*02/24/22 19:06*	*03/01/22 16:36*	*1*
Phenol-d5 (Surr)	*74*		*34 - 105*	*02/24/22 19:06*	*03/01/22 16:36*	*1*
Terphenyl-d14 (Surr)	*78*		*20 - 117*	*02/24/22 19:06*	*03/01/22 16:36*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A73C
Date Collected: 02/23/22 11:50
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-9
Matrix: Solid
Percent Solids: 94.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*71*		*20 - 119*	*02/24/22 19:06*	*03/01/22 16:36*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0057	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1221	ND		0.018	0.0062	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1248	**0.035**		0.018	0.0042	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1254	**0.028**		0.018	0.0053	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	02/24/22 17:49	02/28/22 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:37*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:37*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:37*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:37*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.2**		0.91	0.57	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Barium	**47**		18	3.2	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Beryllium	**0.24**	**J**	0.36	0.099	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Cadmium	**0.13**	**J**	0.45	0.066	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Chromium	**6.7**		0.45	0.41	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Copper	**20**		2.3	1.4	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Lead	**8.5**		0.91	0.79	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Manganese	**380**		1.4	0.25	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Nickel	**13**		3.6	0.46	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Selenium	**0.63**	**J**	0.91	0.42	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Silver	ND		0.45	0.094	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1
Zinc	**46**		1.8	1.1	mg/Kg	☼	02/25/22 10:32	03/01/22 09:03	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.026	0.017	mg/Kg	☼	03/01/22 07:35	03/02/22 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.6**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**94.4**		0.1	0.1	%			02/25/22 13:09	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/01/22 21:31	03/03/22 15:14	1
Cyanide, Total	ND		0.44	0.34	mg/Kg	☼	03/01/22 10:30	03/01/22 14:37	1

Client Sample ID: SSHS-IRM5A2-A2-A74A

Lab Sample ID: 180-134147-10

Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 95.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	02/25/22 06:00	02/25/22 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*02/25/22 06:00*	*02/25/22 11:37*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*02/25/22 06:00*	*02/25/22 11:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*02/25/22 06:00*	*02/25/22 11:37*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*02/25/22 06:00*	*02/25/22 11:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.7**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**95.3**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A74B

Lab Sample ID: 180-134147-11

Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 90.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1

Client Sample ID: SSHS-IRM5A2-A2-A74B

Lab Sample ID: 180-134147-11
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 90.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,1,1-Trichloroethane	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1
Xylenes, Total	ND		0.010	0.0076	mg/Kg	☼	02/25/22 06:00	02/25/22 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*02/25/22 06:00*	*02/25/22 12:01*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*02/25/22 06:00*	*02/25/22 12:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*02/25/22 06:00*	*02/25/22 12:01*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*02/25/22 06:00*	*02/25/22 12:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**90.6**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A74C

Lab Sample ID: 180-134147-12
Date Collected: 02/23/22 14:00
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 83.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0023**	**J**	0.0080	0.0023	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Acenaphthylene	**0.044**		0.0080	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Anthracene	**0.035**		0.0080	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Benzo[a]anthracene	**0.076**		0.0080	0.0036	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1

Client Sample ID: SSHS-IRM5A2-A2-A74C **Lab Sample ID: 180-134147-12**
Date Collected: 02/23/22 14:00 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 83.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.077**		0.0080	0.0035	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Benzo[b]fluoranthene	**0.099**		0.0080	0.0020	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Benzo[g,h,i]perylene	**0.10**		0.0080	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Benzo[k]fluoranthene	**0.035**		0.0080	0.0024	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Chrysene	**0.075**		0.0080	0.0044	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Dibenz(a,h)anthracene	**0.023**		0.0080	0.0051	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Dibenzofuran	ND		0.039	0.015	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
2,4-Dinitrotoluene	ND		0.039	0.024	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
1,4-Dioxane	ND		0.080	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Fluoranthene	**0.13**		0.0080	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Fluorene	**0.0065**	**J**	0.0080	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Hexachlorobenzene	ND		0.0080	0.0029	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Hexachlorobutadiene	ND		0.0080	0.0023	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Indeno[1,2,3-cd]pyrene	**0.088**		0.0080	0.0040	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Methylphenol, 3 & 4	**0.040**		0.039	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Naphthalene	**0.019**		0.0080	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Nitrobenzene	ND		0.080	0.015	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Pentachlorophenol	ND		0.20	0.064	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Phenanthrene	**0.050**		0.0080	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Phenol	ND		0.039	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Pyrene	**0.12**		0.0080	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
Pyridine	ND		0.080	0.022	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*02/24/22 19:06*	*03/01/22 16:58*	*1*
2-Fluorophenol (Surr)	*65*		*32 - 105*	*02/24/22 19:06*	*03/01/22 16:58*	*1*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*02/24/22 19:06*	*03/01/22 16:58*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*02/24/22 19:06*	*03/01/22 16:58*	*1*
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*02/24/22 19:06*	*03/01/22 16:58*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 119*	*02/24/22 19:06*	*03/01/22 16:58*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1248	ND		0.020	0.0047	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1254	**0.63**		0.020	0.0059	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1260	ND		0.020	0.0056	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	02/24/22 17:49	02/28/22 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:56*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*02/24/22 17:49*	*02/28/22 18:56*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A74C — Lab Sample ID: 180-134147-12

Date Collected: 02/23/22 14:00 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 83.1**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:56*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*02/24/22 17:49*	*02/28/22 18:56*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.1**		1.0	0.63	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Barium	**49**		20	3.6	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Beryllium	**0.29**	**J**	0.40	0.11	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Cadmium	**0.076**	**J**	0.50	0.074	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Chromium	**10**		0.50	0.46	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Copper	**22**		2.5	1.5	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Lead	**11**		1.0	0.87	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Manganese	**330**		1.5	0.28	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Nickel	**13**		4.0	0.51	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Selenium	ND		1.0	0.46	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Silver	ND		0.50	0.10	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1
Zinc	**45**		2.0	1.2	mg/Kg	☼	02/25/22 10:32	03/01/22 09:07	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.030	0.019	mg/Kg	☼	03/01/22 07:35	03/02/22 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.9**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**83.1**		0.1	0.1	%			02/25/22 13:09	1
Hexavalent chromium	ND		0.48	0.26	mg/Kg	☼	03/01/22 21:31	03/03/22 15:13	1
Cyanide, Total	**0.46**	**J**	0.55	0.42	mg/Kg	☼	03/01/22 10:30	03/01/22 14:39	1

Client Sample ID: SSHS-IRM5A2-A2-A75A — Lab Sample ID: 180-134147-13

Date Collected: 02/23/22 14:10 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 97.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1

Client Sample ID: SSHS-IRM5A2-A2-A75A

Lab Sample ID: 180-134147-13

Date Collected: 02/23/22 14:10
Date Received: 02/24/22 12:30

Matrix: Solid
Percent Solids: 97.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	02/25/22 06:00	02/25/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*02/25/22 06:00*	*02/25/22 12:24*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*02/25/22 06:00*	*02/25/22 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*02/25/22 06:00*	*02/25/22 12:24*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/25/22 06:00*	*02/25/22 12:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**2.3**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**97.7**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A75B

Lab Sample ID: 180-134147-14

Date Collected: 02/23/22 14:10
Date Received: 02/24/22 12:30

Matrix: Solid
Percent Solids: 92.4

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1

Client Sample ID: SSHS-IRM5A2-A2-A75B
Lab Sample ID: 180-134147-14
Date Collected: 02/23/22 14:10 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 92.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	02/25/22 06:00	02/25/22 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*02/25/22 06:00*	*02/25/22 12:48*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*02/25/22 06:00*	*02/25/22 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*02/25/22 06:00*	*02/25/22 12:48*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/25/22 06:00*	*02/25/22 12:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**92.4**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A75C
Lab Sample ID: 180-134147-15
Date Collected: 02/23/22 14:10 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 88.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0074	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Acenaphthylene	**0.014**		0.0074	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Anthracene	**0.0097**		0.0074	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Benzo[a]anthracene	**0.019**		0.0074	0.0033	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Benzo[a]pyrene	**0.022**		0.0074	0.0032	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Benzo[b]fluoranthene	**0.029**		0.0074	0.0018	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Benzo[g,h,i]perylene	**0.031**		0.0074	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Benzo[k]fluoranthene	**0.0085**		0.0074	0.0022	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Chrysene	**0.019**		0.0074	0.0041	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Dibenz(a,h)anthracene	**0.0063**	**J**	0.0074	0.0047	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Dibenzofuran	ND		0.036	0.014	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Fluoranthene	**0.032**		0.0074	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Fluorene	**0.0026**	**J**	0.0074	0.0014	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Hexachlorobutadiene	ND		0.0074	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Indeno[1,2,3-cd]pyrene	**0.023**		0.0074	0.0036	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1

Client Sample ID: SSHS-IRM5A2-A2-A75C
Date Collected: 02/23/22 14:10
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-15
Matrix: Solid
Percent Solids: 88.7

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Methylphenol, 3 & 4	**0.013**	**J**	0.036	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Naphthalene	**0.0051**	**J**	0.0074	0.0014	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Phenanthrene	**0.014**		0.0074	0.0020	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Phenol	ND		0.036	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Pyrene	**0.027**		0.0074	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*02/24/22 19:06*	*03/01/22 17:21*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*02/24/22 19:06*	*03/01/22 17:21*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*02/24/22 19:06*	*03/01/22 17:21*	*1*
Phenol-d5 (Surr)	*77*		*34 - 105*	*02/24/22 19:06*	*03/01/22 17:21*	*1*
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*02/24/22 19:06*	*03/01/22 17:21*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*20 - 119*	*02/24/22 19:06*	*03/01/22 17:21*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0060	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1221	ND		0.018	0.0065	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1232	ND		0.018	0.0045	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1248	ND		0.018	0.0044	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1254	**0.75**		0.018	0.0055	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1
PCB-1268	ND		0.018	0.0025	mg/Kg	☼	02/24/22 17:49	02/28/22 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*02/24/22 17:49*	*02/28/22 19:15*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*02/24/22 17:49*	*02/28/22 19:15*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*02/24/22 17:49*	*02/28/22 19:15*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*02/24/22 17:49*	*02/28/22 19:15*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.4**		0.99	0.62	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Barium	**46**		20	3.5	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Beryllium	**0.31**	**J**	0.40	0.11	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Cadmium	**0.092**	**J**	0.49	0.073	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Chromium	**9.3**		0.49	0.45	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Copper	**27**		2.5	1.5	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Lead	**35**		0.99	0.86	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Manganese	**350**		1.5	0.28	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Nickel	**15**		4.0	0.50	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Selenium	ND		0.99	0.46	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1

Client Sample ID: SSHS-IRM5A2-A2-A75C
Lab Sample ID: 180-134147-15
Date Collected: 02/23/22 14:10 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 88.7**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.10	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1
Zinc	**57**		2.0	1.2	mg/Kg	☼	02/25/22 10:32	03/01/22 09:21	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.025	0.016	mg/Kg	☼	03/01/22 07:35	03/02/22 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.3**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**88.7**		0.1	0.1	%			02/25/22 13:09	1
Hexavalent chromium	ND		0.46	0.24	mg/Kg	☼	03/01/22 21:31	03/03/22 15:12	1
Cyanide, Total	ND		0.56	0.43	mg/Kg	☼	03/01/22 10:30	03/01/22 14:44	1

Client Sample ID: SSHS-IRM5A2-A2-A76A
Lab Sample ID: 180-134147-16
Date Collected: 02/23/22 14:20 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 89.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Vinyl chloride	ND		0.0056	0.0041	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	02/25/22 06:00	02/25/22 13:11	1

Client Sample ID: SSHS-IRM5A2-A2-A76A — Lab Sample ID: 180-134147-16

Date Collected: 02/23/22 14:20 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 89.7**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*02/25/22 06:00*	*02/25/22 13:11*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*02/25/22 06:00*	*02/25/22 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*02/25/22 06:00*	*02/25/22 13:11*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*02/25/22 06:00*	*02/25/22 13:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**89.7**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A76B — Lab Sample ID: 180-134147-17

Date Collected: 02/23/22 14:20 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 92.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	02/25/22 06:00	02/25/22 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*02/25/22 06:00*	*02/25/22 13:34*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*02/25/22 06:00*	*02/25/22 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*02/25/22 06:00*	*02/25/22 13:34*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A76B — Lab Sample ID: 180-134147-17

Date Collected: 02/23/22 14:20 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 92.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*67 - 134*	*02/25/22 06:00*	*02/25/22 13:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.4**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**92.6**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A76C — Lab Sample ID: 180-134147-18

Date Collected: 02/23/22 14:20 — **Matrix: Solid**
Date Received: 02/24/22 12:30 — **Percent Solids: 91.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0059**	**J**	0.0072	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Acenaphthylene	**0.055**		0.0072	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Anthracene	**0.10**		0.0072	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Benzo[a]anthracene	**0.16**		0.0072	0.0033	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Benzo[a]pyrene	**0.14**		0.0072	0.0031	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Benzo[b]fluoranthene	**0.17**		0.0072	0.0018	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Benzo[g,h,i]perylene	**0.16**		0.0072	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Benzo[k]fluoranthene	**0.049**		0.0072	0.0022	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Chrysene	**0.14**		0.0072	0.0040	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Dibenz(a,h)anthracene	**0.035**		0.0072	0.0046	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Dibenzofuran	**0.017**	**J**	0.036	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Fluoranthene	**0.42**		0.0072	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Fluorene	**0.020**		0.0072	0.0014	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Indeno[1,2,3-cd]pyrene	**0.13**		0.0072	0.0036	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Methylphenol, 3 & 4	**0.025**	**J**	0.036	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Naphthalene	**0.017**		0.0072	0.0014	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Phenanthrene	**0.26**		0.0072	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Phenol	ND		0.036	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Pyrene	**0.25**		0.0072	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*02/24/22 19:06*	*03/01/22 17:43*	*1*
2-Fluorophenol (Surr)	*88*		*32 - 105*	*02/24/22 19:06*	*03/01/22 17:43*	*1*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*	*02/24/22 19:06*	*03/01/22 17:43*	*1*
Phenol-d5 (Surr)	*77*		*34 - 105*	*02/24/22 19:06*	*03/01/22 17:43*	*1*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*02/24/22 19:06*	*03/01/22 17:43*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A76C
Lab Sample ID: 180-134147-18
Date Collected: 02/23/22 14:20 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 91.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*20 - 119*	*02/24/22 19:06*	*03/01/22 17:43*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1254	**0.67**		0.018	0.0054	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	02/24/22 17:49	02/28/22 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*02/24/22 17:49*	*02/28/22 19:34*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*02/24/22 17:49*	*02/28/22 19:34*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*02/24/22 17:49*	*02/28/22 19:34*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*02/24/22 17:49*	*02/28/22 19:34*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		1.1	0.69	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Barium	**50**		22	3.9	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Beryllium	**0.31**	**J**	0.44	0.12	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Cadmium	**0.086**	**J**	0.55	0.080	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Chromium	**8.6**		0.55	0.50	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Copper	**22**		2.7	1.7	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Lead	**11**		1.1	0.96	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Manganese	**420**		1.6	0.30	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Nickel	**14**		4.4	0.55	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Selenium	ND		1.1	0.51	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Silver	ND		0.55	0.11	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1
Zinc	**58**		2.2	1.3	mg/Kg	☼	02/25/22 10:32	03/01/22 09:25	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.026	0.016	mg/Kg	☼	03/01/22 07:35	03/02/22 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**91.2**		0.1	0.1	%			02/25/22 13:09	1
Hexavalent chromium	**0.23**	**J**	0.44	0.23	mg/Kg	☼	03/01/22 21:31	03/03/22 15:11	1
Cyanide, Total	**0.34**	**J**	0.42	0.32	mg/Kg	☼	03/01/22 10:30	03/01/22 14:46	1

Client Sample ID: SSHS-IRM5A2-A2-A77A

Lab Sample ID: 180-134147-19

Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 92.4

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	02/25/22 06:00	02/25/22 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*02/25/22 06:00*	*02/25/22 13:58*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*02/25/22 06:00*	*02/25/22 13:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*02/25/22 06:00*	*02/25/22 13:58*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*02/25/22 06:00*	*02/25/22 13:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**92.4**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A77B

Lab Sample ID: 180-134147-20

Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1

Client Sample ID: SSHS-IRM5A2-A2-A77B

Lab Sample ID: 180-134147-20

Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 89.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0058	0.0029	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Carbon tetrachloride	ND		0.0058	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
cis-1,2-Dichloroethene	ND		0.0058	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,2-Dichlorobenzene	ND		0.0058	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,4-Dichlorobenzene	ND		0.0058	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,1-Dichloroethane	ND		0.0058	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Ethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Methylene Chloride	ND		0.0058	0.0052	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
sec-Butylbenzene	ND		0.0058	0.0028	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
tert-Butylbenzene	ND		0.0058	0.0024	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Tetrachloroethene	ND		0.0058	0.0023	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,1,1-Trichloroethane	ND		0.0058	0.0019	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1
Xylenes, Total	ND		0.012	0.0083	mg/Kg	☼	02/25/22 06:00	02/25/22 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*02/25/22 06:00*	*02/25/22 14:21*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*02/25/22 06:00*	*02/25/22 14:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*02/25/22 06:00*	*02/25/22 14:21*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*02/25/22 06:00*	*02/25/22 14:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.8**		0.1	0.1	%			02/25/22 13:09	1
Percent Solids	**89.2**		0.1	0.1	%			02/25/22 13:09	1

Client Sample ID: SSHS-IRM5A2-A2-A77C

Lab Sample ID: 180-134147-21

Date Collected: 02/23/22 14:30
Matrix: Solid
Date Received: 02/24/22 12:30
Percent Solids: 87.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0076	0.0022	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Acenaphthylene	**0.0081**		0.0076	0.0017	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Anthracene	**0.0056**	**J**	0.0076	0.0020	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Benzo[a]anthracene	ND		0.0076	0.0034	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1

Client Sample ID: SSHS-IRM5A2-A2-A77C **Lab Sample ID: 180-134147-21**
Date Collected: 02/23/22 14:30 **Matrix: Solid**
Date Received: 02/24/22 12:30 **Percent Solids: 87.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0087**		0.0076	0.0033	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Benzo[b]fluoranthene	**0.0090**		0.0076	0.0019	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Benzo[g,h,i]perylene	**0.032**		0.0076	0.0016	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Benzo[k]fluoranthene	**0.0033**	**J**	0.0076	0.0023	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Chrysene	ND		0.0076	0.0042	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Dibenz(a,h)anthracene	ND		0.0076	0.0048	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Dibenzofuran	ND		0.037	0.014	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
2,4-Dinitrotoluene	ND		0.037	0.023	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
1,4-Dioxane	ND		0.075	0.012	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Fluoranthene	ND		0.0076	0.0020	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Fluorene	ND		0.0076	0.0015	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Hexachlorobenzene	ND		0.0076	0.0027	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Hexachlorobutadiene	ND		0.0076	0.0022	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Indeno[1,2,3-cd]pyrene	**0.015**		0.0076	0.0038	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Methylphenol, 3 & 4	ND		0.037	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Naphthalene	**0.0021**	**J**	0.0076	0.0015	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Nitrobenzene	ND		0.075	0.014	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Pentachlorophenol	ND		0.19	0.061	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Phenanthrene	**0.0045**	**J**	0.0076	0.0020	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Phenol	ND		0.037	0.011	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Pyrene	**0.0056**	**J**	0.0076	0.0018	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
Pyridine	ND		0.076	0.020	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1
2,4,6-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	02/24/22 19:06	03/01/22 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*02/24/22 19:06*	*03/01/22 18:06*	*1*
2-Fluorophenol (Surr)	*71*		*32 - 105*	*02/24/22 19:06*	*03/01/22 18:06*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*02/24/22 19:06*	*03/01/22 18:06*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*02/24/22 19:06*	*03/01/22 18:06*	*1*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*02/24/22 19:06*	*03/01/22 18:06*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*20 - 119*	*02/24/22 19:06*	*03/01/22 18:06*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1254	**1.2**		0.019	0.0057	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/24/22 17:49	02/28/22 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*02/24/22 17:49*	*02/28/22 19:53*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*02/24/22 17:49*	*02/28/22 19:53*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

Client Sample ID: SSHS-IRM5A2-A2-A77C
Date Collected: 02/23/22 14:30
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134147-21
Matrix: Solid
Percent Solids: 87.3

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*02/24/22 17:49*	*02/28/22 19:53*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*02/24/22 17:49*	*02/28/22 19:53*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		0.70	0.44	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Barium	**36**		14	2.5	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Beryllium	**0.26**	**J**	0.28	0.076	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Cadmium	**0.065**	**J**	0.35	0.051	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Chromium	**7.8**		0.35	0.32	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Copper	**22**		1.7	1.1	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Lead	**7.9**		0.70	0.61	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Manganese	**350**		1.0	0.19	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Nickel	**14**		2.8	0.35	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Selenium	**0.35**	**J**	0.70	0.32	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Silver	ND		0.35	0.073	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1
Zinc	**50**		1.4	0.83	mg/Kg	☼	02/25/22 10:32	03/01/22 09:30	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	03/01/22 07:35	03/02/22 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.7**		0.1	0.1	%			02/25/22 13:35	1
Percent Solids	**87.3**		0.1	0.1	%			02/25/22 13:35	1
Hexavalent chromium	**0.24**	**J**	0.45	0.24	mg/Kg	☼	03/01/22 21:31	03/03/22 15:26	1
Cyanide, Total	ND		0.42	0.32	mg/Kg	☼	03/01/22 10:30	03/01/22 14:48	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-389514/6
Matrix: Solid
Analysis Batch: 389514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/25/22 08:53	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/25/22 08:53	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/25/22 08:53	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/25/22 08:53	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/25/22 08:53	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/25/22 08:53	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/25/22 08:53	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/25/22 08:53	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/25/22 08:53	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/25/22 08:53	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/25/22 08:53	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/25/22 08:53	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/25/22 08:53	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/25/22 08:53	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/25/22 08:53	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/25/22 08:53	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/25/22 08:53	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/25/22 08:53	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/25/22 08:53	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/25/22 08:53	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/25/22 08:53	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/25/22 08:53	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/25/22 08:53	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/25/22 08:53	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/25/22 08:53	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/25/22 08:53	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/25/22 08:53	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/25/22 08:53	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/25/22 08:53	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/25/22 08:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*		*02/25/22 08:53*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*		*02/25/22 08:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*		*02/25/22 08:53*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*02/25/22 08:53*	*1*

Lab Sample ID: LCS 180-389514/3
Matrix: Solid
Analysis Batch: 389514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0440		mg/Kg		110	23 - 170
Benzene	0.0400	0.0437		mg/Kg		109	77 - 120
2-Butanone (MEK)	0.0400	0.0400		mg/Kg		100	39 - 157
Carbon tetrachloride	0.0400	0.0457		mg/Kg		114	73 - 130
Chlorobenzene	0.0400	0.0438		mg/Kg		110	79 - 122
Chloroform	0.0400	0.0414		mg/Kg		104	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-389514/3
Matrix: Solid
Analysis Batch: 389514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0429		mg/Kg		107	77 - 118
1,2-Dichlorobenzene	0.0400	0.0442		mg/Kg		110	76 - 120
1,3-Dichlorobenzene	0.0400	0.0452		mg/Kg		113	77 - 121
1,4-Dichlorobenzene	0.0400	0.0445		mg/Kg		111	79 - 120
1,1-Dichloroethane	0.0400	0.0418		mg/Kg		105	73 - 124
1,2-Dichloroethane	0.0400	0.0410		mg/Kg		103	64 - 140
1,1-Dichloroethene	0.0400	0.0423		mg/Kg		106	55 - 136
1,4-Dioxane	0.800	0.854	J	mg/Kg		107	18 - 166
Ethylbenzene	0.0400	0.0452		mg/Kg		113	79 - 119
Methylene Chloride	0.0400	0.0414		mg/Kg		104	67 - 131
Methyl tert-butyl ether	0.0400	0.0408		mg/Kg		102	58 - 132
n-Butylbenzene	0.0400	0.0443		mg/Kg		111	64 - 136
N-Propylbenzene	0.0400	0.0470		mg/Kg		117	71 - 127
sec-Butylbenzene	0.0400	0.0444		mg/Kg		111	65 - 130
tert-Butylbenzene	0.0400	0.0464		mg/Kg		116	69 - 133
Tetrachloroethene	0.0400	0.0457		mg/Kg		114	71 - 121
Toluene	0.0400	0.0420		mg/Kg		105	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0423		mg/Kg		106	75 - 122
1,1,1-Trichloroethane	0.0400	0.0445		mg/Kg		111	72 - 134
Trichloroethene	0.0400	0.0448		mg/Kg		112	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0430		mg/Kg		108	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0439		mg/Kg		110	69 - 131
Vinyl chloride	0.0400	0.0406		mg/Kg		102	64 - 134
Xylenes, Total	0.0800	0.0904		mg/Kg		113	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*89*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Lab Sample ID: LCSD 180-389514/4
Matrix: Solid
Analysis Batch: 389514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0408		mg/Kg		102	23 - 170	7	35
Benzene	0.0400	0.0416		mg/Kg		104	77 - 120	5	20
2-Butanone (MEK)	0.0400	0.0388		mg/Kg		97	39 - 157	3	33
Carbon tetrachloride	0.0400	0.0433		mg/Kg		108	73 - 130	5	21
Chlorobenzene	0.0400	0.0429		mg/Kg		107	79 - 122	2	20
Chloroform	0.0400	0.0398		mg/Kg		99	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0409		mg/Kg		102	77 - 118	5	20
1,2-Dichlorobenzene	0.0400	0.0425		mg/Kg		106	76 - 120	4	20
1,3-Dichlorobenzene	0.0400	0.0431		mg/Kg		108	77 - 121	5	20
1,4-Dichlorobenzene	0.0400	0.0428		mg/Kg		107	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0404		mg/Kg		101	73 - 124	3	20
1,2-Dichloroethane	0.0400	0.0401		mg/Kg		100	64 - 140	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-389514/4
Matrix: Solid
Analysis Batch: 389514

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0399		mg/Kg		100	55 - 136	6	21
1,4-Dioxane			0.800	0.775	J	mg/Kg		97	18 - 166	10	40
Ethylbenzene			0.0400	0.0438		mg/Kg		109	79 - 119	3	20
Methylene Chloride			0.0400	0.0402		mg/Kg		101	67 - 131	3	32
Methyl tert-butyl ether			0.0400	0.0410		mg/Kg		103	58 - 132	1	24
n-Butylbenzene			0.0400	0.0413		mg/Kg		103	64 - 136	7	21
N-Propylbenzene			0.0400	0.0439		mg/Kg		110	71 - 127	7	20
sec-Butylbenzene			0.0400	0.0413		mg/Kg		103	65 - 130	7	20
tert-Butylbenzene			0.0400	0.0435		mg/Kg		109	69 - 133	6	23
Tetrachloroethene			0.0400	0.0433		mg/Kg		108	71 - 121	5	21
Toluene			0.0400	0.0403		mg/Kg		101	76 - 120	4	20
trans-1,2-Dichloroethene			0.0400	0.0400		mg/Kg		100	75 - 122	6	20
1,1,1-Trichloroethane			0.0400	0.0369		mg/Kg		92	72 - 134	19	20
Trichloroethene			0.0400	0.0419		mg/Kg		105	69 - 118	7	20
1,2,4-Trimethylbenzene			0.0400	0.0410		mg/Kg		102	74 - 127	5	20
1,3,5-Trimethylbenzene			0.0400	0.0413		mg/Kg		103	69 - 131	6	20
Vinyl chloride			0.0400	0.0376		mg/Kg		94	64 - 134	8	23
Xylenes, Total			0.0800	0.0871		mg/Kg		109	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*
Toluene-d8 (Surr)	*104*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-389495/1-A
Matrix: Solid
Analysis Batch: 389716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Anthracene	ND		0.0034	0.00087	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Chrysene	ND		0.0034	0.0019	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Fluorene	ND		0.0034	0.00066	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		02/24/22 19:06	02/28/22 07:43	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-389495/1-A
Matrix: Solid
Analysis Batch: 389716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.017	0.0059	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Phenol	ND		0.017	0.0051	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Pyrene	ND		0.0034	0.00079	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
Pyridine	ND		0.034	0.0090	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		02/24/22 19:06	02/28/22 07:43	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		02/24/22 19:06	02/28/22 07:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*02/24/22 19:06*	*02/28/22 07:43*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*02/24/22 19:06*	*02/28/22 07:43*	*1*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*02/24/22 19:06*	*02/28/22 07:43*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*02/24/22 19:06*	*02/28/22 07:43*	*1*
Terphenyl-d14 (Surr)	*74*		*20 - 117*	*02/24/22 19:06*	*02/28/22 07:43*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*	*02/24/22 19:06*	*02/28/22 07:43*	*1*

Lab Sample ID: LCS 180-389495/2-A
Matrix: Solid
Analysis Batch: 389716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.222		mg/Kg		67	41 - 100
Acenaphthylene	0.333	0.219		mg/Kg		66	45 - 100
Anthracene	0.333	0.223		mg/Kg		67	47 - 100
Benzo[a]anthracene	0.333	0.223		mg/Kg		67	47 - 100
Benzo[a]pyrene	0.333	0.228		mg/Kg		68	45 - 101
Benzo[b]fluoranthene	0.333	0.229		mg/Kg		69	44 - 100
Benzo[g,h,i]perylene	0.333	0.252		mg/Kg		76	45 - 103
Benzo[k]fluoranthene	0.333	0.221		mg/Kg		66	43 - 100
Chrysene	0.333	0.215		mg/Kg		64	44 - 100
Dibenz(a,h)anthracene	0.333	0.259		mg/Kg		78	46 - 107
Dibenzofuran	0.333	0.224		mg/Kg		67	47 - 100
2,4-Dinitrotoluene	0.333	0.253		mg/Kg		76	48 - 106
1,4-Dioxane	0.333	0.288		mg/Kg		86	10 - 133
Fluoranthene	0.333	0.219		mg/Kg		66	49 - 102
Fluorene	0.333	0.238		mg/Kg		71	46 - 100
Hexachlorobenzene	0.333	0.221		mg/Kg		66	45 - 101
Hexachlorobutadiene	0.333	0.232		mg/Kg		70	38 - 110
Hexachloroethane	0.333	0.221		mg/Kg		66	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.261		mg/Kg		78	48 - 104
2-Methylphenol	0.333	0.212		mg/Kg		64	43 - 101
Methylphenol, 3 & 4	0.333	0.216		mg/Kg		65	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-389495/2-A
Matrix: Solid
Analysis Batch: 389716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	0.333	0.216		mg/Kg		65	43 - 100
Nitrobenzene	0.333	0.198		mg/Kg		59	43 - 107
Pentachlorophenol	0.667	0.493		mg/Kg		74	34 - 112
Phenanthrene	0.333	0.221		mg/Kg		66	46 - 100
Phenol	0.333	0.209		mg/Kg		63	42 - 103
Pyrene	0.333	0.205		mg/Kg		62	44 - 102
Pyridine	0.667	0.571		mg/Kg		86	25 - 109
2,4,5-Trichlorophenol	0.333	0.254		mg/Kg		76	47 - 108
2,4,6-Trichlorophenol	0.333	0.264		mg/Kg		79	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 105*
2-Fluorophenol (Surr)	*84*		*32 - 105*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*
Phenol-d5 (Surr)	*66*		*34 - 105*
Terphenyl-d14 (Surr)	*67*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-389492/1-C
Matrix: Solid
Analysis Batch: 389703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1221	ND		0.017	0.0059	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1232	ND		0.017	0.0041	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1242	ND		0.017	0.0024	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1248	ND		0.017	0.0040	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1254	ND		0.017	0.0050	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1260	ND		0.017	0.0047	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1262	ND		0.017	0.0059	mg/Kg		02/24/22 17:49	02/28/22 16:25	1
PCB-1268	ND		0.017	0.0022	mg/Kg		02/24/22 17:49	02/28/22 16:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*02/24/22 17:49*	*02/28/22 16:25*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/24/22 17:49*	*02/28/22 16:25*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*02/24/22 17:49*	*02/28/22 16:25*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*02/24/22 17:49*	*02/28/22 16:25*	*1*

Lab Sample ID: LCS 180-389492/2-C
Matrix: Solid
Analysis Batch: 389703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.33	1.48		mg/Kg		111	43 - 136
PCB-1260	1.33	1.64		mg/Kg		123	55 - 128

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-389492/2-C
Matrix: Solid
Analysis Batch: 389703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389492

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-389558/1-A
Matrix: Solid
Analysis Batch: 389908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389558

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Barium	ND		20	3.6	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Beryllium	ND		0.40	0.11	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Cadmium	ND		0.50	0.073	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Chromium	ND		0.50	0.46	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Copper	ND		2.5	1.5	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Lead	ND		1.0	0.87	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Manganese	ND		1.5	0.28	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Nickel	ND		4.0	0.50	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Selenium	ND		1.0	0.46	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Silver	ND		0.50	0.10	mg/Kg		02/25/22 10:32	03/01/22 08:09	1
Zinc	ND		2.0	1.2	mg/Kg		02/25/22 10:32	03/01/22 08:09	1

Lab Sample ID: LCS 180-389558/2-A
Matrix: Solid
Analysis Batch: 389908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	98.9		mg/Kg		99	80 - 120
Barium	100	102		mg/Kg		102	80 - 120
Beryllium	50.0	51.9		mg/Kg		104	80 - 120
Cadmium	50.0	49.6		mg/Kg		99	80 - 120
Chromium	50.0	48.2		mg/Kg		96	80 - 120
Copper	50.0	50.3		mg/Kg		101	80 - 120
Lead	50.0	46.9		mg/Kg		94	80 - 120
Manganese	50.0	48.5		mg/Kg		97	80 - 120
Nickel	50.0	48.9		mg/Kg		98	80 - 120
Selenium	100	91.0		mg/Kg		91	80 - 120
Silver	25.0	23.4		mg/Kg		94	80 - 120
Zinc	25.0	23.4		mg/Kg		94	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-389826/1-A
Matrix: Solid
Analysis Batch: 390060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/01/22 07:35	03/02/22 09:02	1

Lab Sample ID: LCS 180-389826/2-A
Matrix: Solid
Analysis Batch: 390060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389826

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.417	0.364		mg/Kg		87	80 - 120		

Lab Sample ID: 180-134147-3 MS
Matrix: Solid
Analysis Batch: 390060

Client Sample ID: SSHS-IRM5A2-A2-A71C
Prep Type: Total/NA
Prep Batch: 389826

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.043	F1	0.132	0.209	F1	mg/Kg	☼	126	80 - 120		

Lab Sample ID: 180-134147-3 MSD
Matrix: Solid
Analysis Batch: 390060

Client Sample ID: SSHS-IRM5A2-A2-A71C
Prep Type: Total/NA
Prep Batch: 389826

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.043	F1	0.162	0.217		mg/Kg	☼	107	80 - 120	4	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-134147-3 DU
Matrix: Solid
Analysis Batch: 389617

Client Sample ID: SSHS-IRM5A2-A2-A71C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.7			11.0		%				3	10
Percent Solids	89.3			89.0		%				0.3	10

Lab Sample ID: 180-134147-6 DU
Matrix: Solid
Analysis Batch: 389617

Client Sample ID: SSHS-IRM5A2-A2-A72C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.6			10.2		%				7	10
Percent Solids	90.4			89.8		%				0.7	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-390005/1-A
Matrix: Solid
Analysis Batch: 390295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		03/01/22 21:31	03/03/22 14:55	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-390005/3-A
Matrix: Solid
Analysis Batch: 390295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390005

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	632		mg/Kg		89	80 - 120

Lab Sample ID: LCSS 180-390005/2-A
Matrix: Solid
Analysis Batch: 390295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390005

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.8		mg/Kg		84	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-389885/4-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/01/22 10:30	03/01/22 14:30	1

Lab Sample ID: HLCS 180-389885/2-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-389885/3-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.7		mg/Kg		85	17 - 163

Lab Sample ID: LLCS 180-389885/1-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0511		mg/Kg		102	90 - 110

GC/MS VOA

Analysis Batch: 389514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-1	SSHS-IRM5A2-A2-A71A	Total/NA	Solid	EPA 8260C	389516
180-134147-2	SSHS-IRM5A2-A2-A71B	Total/NA	Solid	EPA 8260C	389516
180-134147-4	SSHS-IRM5A2-A2-A72A	Total/NA	Solid	EPA 8260C	389516
180-134147-5	SSHS-IRM5A2-A2-A72B	Total/NA	Solid	EPA 8260C	389516
180-134147-7	SSHS-IRM5A2-A2-A73A	Total/NA	Solid	EPA 8260C	389516
180-134147-8	SSHS-IRM5A2-A2-A73B	Total/NA	Solid	EPA 8260C	389516
180-134147-10	SSHS-IRM5A2-A2-A74A	Total/NA	Solid	EPA 8260C	389516
180-134147-11	SSHS-IRM5A2-A2-A74B	Total/NA	Solid	EPA 8260C	389516
180-134147-13	SSHS-IRM5A2-A2-A75A	Total/NA	Solid	EPA 8260C	389516
180-134147-14	SSHS-IRM5A2-A2-A75B	Total/NA	Solid	EPA 8260C	389516
180-134147-16	SSHS-IRM5A2-A2-A76A	Total/NA	Solid	EPA 8260C	389516
180-134147-17	SSHS-IRM5A2-A2-A76B	Total/NA	Solid	EPA 8260C	389516
180-134147-19	SSHS-IRM5A2-A2-A77A	Total/NA	Solid	EPA 8260C	389516
180-134147-20	SSHS-IRM5A2-A2-A77B	Total/NA	Solid	EPA 8260C	389516
MB 180-389514/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-389514/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-389514/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 389516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-1	SSHS-IRM5A2-A2-A71A	Total/NA	Solid	5035	
180-134147-2	SSHS-IRM5A2-A2-A71B	Total/NA	Solid	5035	
180-134147-4	SSHS-IRM5A2-A2-A72A	Total/NA	Solid	5035	
180-134147-5	SSHS-IRM5A2-A2-A72B	Total/NA	Solid	5035	
180-134147-7	SSHS-IRM5A2-A2-A73A	Total/NA	Solid	5035	
180-134147-8	SSHS-IRM5A2-A2-A73B	Total/NA	Solid	5035	
180-134147-10	SSHS-IRM5A2-A2-A74A	Total/NA	Solid	5035	
180-134147-11	SSHS-IRM5A2-A2-A74B	Total/NA	Solid	5035	
180-134147-13	SSHS-IRM5A2-A2-A75A	Total/NA	Solid	5035	
180-134147-14	SSHS-IRM5A2-A2-A75B	Total/NA	Solid	5035	
180-134147-16	SSHS-IRM5A2-A2-A76A	Total/NA	Solid	5035	
180-134147-17	SSHS-IRM5A2-A2-A76B	Total/NA	Solid	5035	
180-134147-19	SSHS-IRM5A2-A2-A77A	Total/NA	Solid	5035	
180-134147-20	SSHS-IRM5A2-A2-A77B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 389495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	3541	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	3541	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	3541	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	3541	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	3541	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	3541	
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	3541	
MB 180-389495/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-389495/2-A	Lab Control Sample	Total/NA	Solid	3541	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134147-1

GC/MS Semi VOA

Analysis Batch: 389716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-389495/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	389495
LCS 180-389495/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	389495

Analysis Batch: 389915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 8270D LL	389495
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	EPA 8270D LL	389495
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	EPA 8270D LL	389495
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	EPA 8270D LL	389495
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	EPA 8270D LL	389495
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	EPA 8270D LL	389495
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	EPA 8270D LL	389495

GC Semi VOA

Prep Batch: 389492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	3541	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	3541	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	3541	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	3541	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	3541	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	3541	
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	3541	
MB 180-389492/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-389492/2-C	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 389703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 8082A	389714
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	EPA 8082A	389714
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	EPA 8082A	389714
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	EPA 8082A	389714
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	EPA 8082A	389714
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	EPA 8082A	389714
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	EPA 8082A	389714
MB 180-389492/1-C	Method Blank	Total/NA	Solid	EPA 8082A	389714
LCS 180-389492/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	389714

Cleanup Batch: 389713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	3665A	389492
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	3665A	389492
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	3665A	389492
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	3665A	389492
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	3665A	389492
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	3665A	389492
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	3665A	389492
MB 180-389492/1-C	Method Blank	Total/NA	Solid	3665A	389492
LCS 180-389492/2-C	Lab Control Sample	Total/NA	Solid	3665A	389492

GC Semi VOA

Cleanup Batch: 389714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	3660B	389713
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	3660B	389713
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	3660B	389713
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	3660B	389713
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	3660B	389713
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	3660B	389713
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	3660B	389713
MB 180-389492/1-C	Method Blank	Total/NA	Solid	3660B	389713
LCS 180-389492/2-C	Lab Control Sample	Total/NA	Solid	3660B	389713

Metals

Prep Batch: 389558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	3050B	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	3050B	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	3050B	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	3050B	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	3050B	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	3050B	
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	3050B	
MB 180-389558/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-389558/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 389826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	7471B	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	7471B	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	7471B	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	7471B	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	7471B	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	7471B	
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	7471B	
MB 180-389826/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-389826/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-134147-3 MS	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	7471B	
180-134147-3 MSD	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	7471B	

Analysis Batch: 389908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 6010C	389558
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	EPA 6010C	389558
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	EPA 6010C	389558
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	EPA 6010C	389558
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	EPA 6010C	389558
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	EPA 6010C	389558
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	EPA 6010C	389558
MB 180-389558/1-A	Method Blank	Total/NA	Solid	EPA 6010C	389558
LCS 180-389558/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	389558

Metals

Analysis Batch: 390060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 7471B	389826
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	EPA 7471B	389826
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	EPA 7471B	389826
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	EPA 7471B	389826
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	EPA 7471B	389826
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	EPA 7471B	389826
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	EPA 7471B	389826
MB 180-389826/1-A	Method Blank	Total/NA	Solid	EPA 7471B	389826
LCS 180-389826/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	389826
180-134147-3 MS	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 7471B	389826
180-134147-3 MSD	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 7471B	389826

General Chemistry

Analysis Batch: 389617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-1	SSHS-IRM5A2-A2-A71A	Total/NA	Solid	2540G	
180-134147-2	SSHS-IRM5A2-A2-A71B	Total/NA	Solid	2540G	
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	2540G	
180-134147-4	SSHS-IRM5A2-A2-A72A	Total/NA	Solid	2540G	
180-134147-5	SSHS-IRM5A2-A2-A72B	Total/NA	Solid	2540G	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	2540G	
180-134147-7	SSHS-IRM5A2-A2-A73A	Total/NA	Solid	2540G	
180-134147-8	SSHS-IRM5A2-A2-A73B	Total/NA	Solid	2540G	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	2540G	
180-134147-10	SSHS-IRM5A2-A2-A74A	Total/NA	Solid	2540G	
180-134147-11	SSHS-IRM5A2-A2-A74B	Total/NA	Solid	2540G	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	2540G	
180-134147-13	SSHS-IRM5A2-A2-A75A	Total/NA	Solid	2540G	
180-134147-14	SSHS-IRM5A2-A2-A75B	Total/NA	Solid	2540G	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	2540G	
180-134147-16	SSHS-IRM5A2-A2-A76A	Total/NA	Solid	2540G	
180-134147-17	SSHS-IRM5A2-A2-A76B	Total/NA	Solid	2540G	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	2540G	
180-134147-19	SSHS-IRM5A2-A2-A77A	Total/NA	Solid	2540G	
180-134147-20	SSHS-IRM5A2-A2-A77B	Total/NA	Solid	2540G	
180-134147-3 DU	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	2540G	
180-134147-6 DU	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	2540G	

Analysis Batch: 389622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	2540G	

Prep Batch: 389885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	9010C	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	9010C	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	9010C	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	9010C	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	9010C	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 389885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	9010C	
MB 180-389885/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-389885/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-389885/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-389885/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 390005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	3060A	
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	3060A	
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	3060A	
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	3060A	
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	3060A	
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	3060A	
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	3060A	
MB 180-390005/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-390005/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-390005/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 390047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 9014	389885
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	EPA 9014	389885
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	EPA 9014	389885
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	EPA 9014	389885
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	EPA 9014	389885
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	EPA 9014	389885
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	EPA 9014	389885
MB 180-389885/4-A	Method Blank	Total/NA	Solid	EPA 9014	389885
HLCS 180-389885/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885
LCS 180-389885/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885
LLCS 180-389885/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885

Analysis Batch: 390295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134147-3	SSHS-IRM5A2-A2-A71C	Total/NA	Solid	EPA 7196A	390005
180-134147-6	SSHS-IRM5A2-A2-A72C	Total/NA	Solid	EPA 7196A	390005
180-134147-9	SSHS-IRM5A2-A2-A73C	Total/NA	Solid	EPA 7196A	390005
180-134147-12	SSHS-IRM5A2-A2-A74C	Total/NA	Solid	EPA 7196A	390005
180-134147-15	SSHS-IRM5A2-A2-A75C	Total/NA	Solid	EPA 7196A	390005
180-134147-18	SSHS-IRM5A2-A2-A76C	Total/NA	Solid	EPA 7196A	390005
180-134147-21	SSHS-IRM5A2-A2-A77C	Total/NA	Solid	EPA 7196A	390005
MB 180-390005/1-A	Method Blank	Total/NA	Solid	EPA 7196A	390005
LCSI 180-390005/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390005
LCSS 180-390005/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390005

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A71A	2/23/22	1130	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A71B	2/23/22	1130	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A71C	2/23/22	1130	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A72A	2/23/22	1140	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A72B	2/23/22	1140	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A72C	2/23/22	1140	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A73A	2/23/22	1150	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A73B	2/23/22	1150	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A73C	2/23/22	1150	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A74A	2/23/22	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A74B	2/23/22	1400	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Mon

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Alex Khawaja	23/Feb/2022 1800	Geosyntec		2/24/22 1830	EEL AP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-134147 Chain of Custody

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A74C	2/23/22	1400	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A75A	2/23/22	1410	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A75B	2/23/22	1410	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A75C	2/23/22	1410	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A76A	2/23/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A76B	2/23/22	1420	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A76C	2/23/22	1420	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A77A	2/23/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A77B	2/23/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A77C	2/23/22	1430	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		23/Feb/2022 1300	GeoSyntec		2/24/22 0930	EBTHARTT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-134147 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastes/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A71A	2/23/22	1130	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A71B	2/23/22	1130	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A71C	2/23/22	1130	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A72A	2/23/22	1140	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A72B	2/23/22	1140	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A72C	2/23/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A73A	2/23/22	1150	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A73B	2/23/22	1150	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A73C	2/23/22	1150	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A74A	2/23/22	1400	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A74B	2/23/22	1400	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
	23/Feb/2022 1500	Geosyntec		3/4/22 1105	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0c

Ver: 01/16/2019

3/4/2022

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A74C	2/23/22	1400	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A75A	2/23/22	1410	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A75B	2/23/22	1410	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A75C	2/23/22	1410	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A76A	2/23/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A76B	2/23/22	1420	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A76C	2/23/22	1420	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A77A	2/23/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A77B	2/23/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A77C	2/23/22	1430	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Alex Waheed	23/Feb/2022 1800	Geosyntec		2/24/22 1105	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-134147 Field Sheet

Tracking # : 776083241254

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 602 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 3.0 °C Corrected: 3.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JB Date: 2/24/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 2/24/22

Notes: Samples have the incorrect Sample ID. #9 #12

#9-SHSS-IRM5AD-A2-73C

~~#9-SSHS-IRM5AD-A2-73C~~ JB 2/24/22

#12SHSS-IRM5AD-A2-74C

JB 2/24/22

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☐	☐	☑

Initials: JB Date: 2/24/22

WR3-13A

RT 243 8 C
FZ 16:30
2676
02.24

XW BLUA

SMF 95605 CA-US

TRK# 7760 8324 8294
0201

PRIORITY OVERNIGHT

THU - 24 FEB 10:30A

FedEx Express

J2318230901un

560J/A027/CFE4A

TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600

REF: MN0832

INV: 01
PO: 28

DEPT: 1751

ORIGIN ID:BLUA (248) 898-7556
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
705 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US

BILL SENDER

SHIP DATE: 23FEB22
ACTWGT: 50.00 LB
CAD: 252144956/INET4460
DIMS: 30x18x12 IN

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134147-1

Login Number: 134147
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134244-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/4/2022 4:14:06 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134244-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134244-1

Receipt
The samples were received on 2/25/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4º C and 5.4º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-389519 was above the control limits for the following analyte: Chloroform. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-389519 was below criteria for the following analytes: 2-Butanone and Acetone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A78C (180-134244-3) had the recoveries of Benzo(g,h,i)perylene and/or Pyridine below the control limits. The RPD between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 180-389915 was above criteria for the following analyte: Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. All associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-389703 (CCVIS 180-389703/27) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1 and below criteria for surrogate decachlorobiphenyl on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The ending low level continuing calibration verification (CCVL) associated with batch 180-390019 recovered above the control limits for selenium. As the sample associated with this CCVL did not have selenium detected, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 9014: The laboratory control sample for total cyanide, (LCS 180-389885/3-A), was analyzed at a 2x dilution. Due to manual entry of results for this analysis batch into the LIMS instead of instrumental upload, the raw data concentration for the LCS was divided by a factor of 2 for entry into the LIMS. The LIMS calculation then applies the 2x dilution factor to the result to calculate the final concentration. If instrumental upload of results is done, the LIMS does not preform additional dilution calculations.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134244-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134244-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134244-1	SSHS-IRM5A2-A2-A78A	Solid	02/24/22 17:00	02/25/22 11:30
180-134244-2	SSHS-IRM5A2-A2-A78B	Solid	02/24/22 17:00	02/25/22 11:30
180-134244-3	SSHS-IRM5A2-A2-A78C	Solid	02/24/22 17:00	02/25/22 11:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-1

Client Sample ID: SSHS-IRM5A2-A2-A78A
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389622	02/25/22 13:35	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A78A
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-1
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1646 g	5 mL	389620	02/25/22 13:22	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389519	02/25/22 14:31	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A78B
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389622	02/25/22 13:35	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A78B
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-2
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5522 g	5 mL	389620	02/25/22 13:23	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389519	02/25/22 14:59	PJJ	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A78C
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389622	02/25/22 13:35	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A78C
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-3
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	389799	02/28/22 11:30	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	389915	03/01/22 13:38	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-1

Client Sample ID: SSHS-IRM5A2-A2-A78C
Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-3
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	389654	02/25/22 22:41	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389731	02/28/22 08:20	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389732	02/28/22 08:21	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389703	02/28/22 23:20	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.28 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 10:29	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.98 g	100 mL	389826	03/01/22 07:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390060	03/02/22 09:19	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	390005	03/01/22 21:31	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390295	03/03/22 15:25	JCR	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.22 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:55	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CMR = Carl Reagle
CSC = Chayce Cockroft
JCR = Jessica Rodgers
PJJ = Patrick Journet
RGM = Rebecca Manns
RJR = Ron Rosenbaum

Batch Type: Analysis

CMR = Carl Reagle
JCR = Jessica Rodgers
JMO = John Oravec
NAF = Nicholas Frankos
PJJ = Patrick Journet
RJG = Rob Good
RJR = Ron Rosenbaum
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A78A
Lab Sample ID: 180-134244-1
Date Collected: 02/24/22 17:00 **Matrix: Solid**
Date Received: 02/25/22 11:30 **Percent Solids: 91.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0074**	**J**	0.021	0.0041	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Chloroform	ND	*1	0.0053	0.0017	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	02/25/22 13:22	02/25/22 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*02/25/22 13:22*	*02/25/22 14:31*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*02/25/22 13:22*	*02/25/22 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*02/25/22 13:22*	*02/25/22 14:31*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*02/25/22 13:22*	*02/25/22 14:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.1	0.1	%			02/25/22 13:35	1
Percent Solids	**91.0**		0.1	0.1	%			02/25/22 13:35	1

Client Sample ID: SSHS-IRM5A2-A2-A78B
Lab Sample ID: 180-134244-2
Date Collected: 02/24/22 17:00 **Matrix: Solid**
Date Received: 02/25/22 11:30 **Percent Solids: 90.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0046**	**J**	0.020	0.0039	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1

Client Sample ID: SSHS-IRM5A2-A2-A78B
Lab Sample ID: 180-134244-2
Date Collected: 02/24/22 17:00 **Matrix: Solid**
Date Received: 02/25/22 11:30 **Percent Solids: 90.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Chloroform	ND	*1	0.0050	0.0016	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Ethylbenzene	ND		0.0050	0.0018	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
sec-Butylbenzene	ND		0.0050	0.0024	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
trans-1,2-Dichloroethene	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	02/25/22 13:23	02/25/22 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*02/25/22 13:23*	*02/25/22 14:59*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*02/25/22 13:23*	*02/25/22 14:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*02/25/22 13:23*	*02/25/22 14:59*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/25/22 13:23*	*02/25/22 14:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.1	0.1	%			02/25/22 13:35	1
Percent Solids	**90.4**		0.1	0.1	%			02/25/22 13:35	1

Client Sample ID: SSHS-IRM5A2-A2-A78C
Lab Sample ID: 180-134244-3
Date Collected: 02/24/22 17:00 **Matrix: Solid**
Date Received: 02/25/22 11:30 **Percent Solids: 83.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0080	0.0023	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Acenaphthylene	**0.047**		0.0080	0.0017	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Anthracene	**0.033**		0.0080	0.0021	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Benzo[a]anthracene	**0.076**		0.0080	0.0036	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1

Client Sample ID: SSHS-IRM5A2-A2-A78C **Lab Sample ID: 180-134244-3**
Date Collected: 02/24/22 17:00 **Matrix: Solid**
Date Received: 02/25/22 11:30 **Percent Solids: 83.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.082**		0.0080	0.0035	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Benzo[b]fluoranthene	**0.11**		0.0080	0.0020	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Benzo[g,h,i]perylene	**0.12**	**F1**	0.0080	0.0017	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Benzo[k]fluoranthene	**0.027**		0.0080	0.0024	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Chrysene	**0.069**		0.0080	0.0044	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Dibenz(a,h)anthracene	**0.021**		0.0080	0.0051	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Dibenzofuran	ND		0.039	0.015	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
2,4-Dinitrotoluene	ND		0.039	0.024	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
1,4-Dioxane	ND		0.080	0.012	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Fluoranthene	**0.15**		0.0080	0.0021	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Fluorene	**0.0048**	**J**	0.0080	0.0016	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Hexachlorobenzene	ND		0.0080	0.0029	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Hexachlorobutadiene	ND		0.0080	0.0023	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Hexachloroethane	ND		0.039	0.014	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Indeno[1,2,3-cd]pyrene	**0.080**		0.0080	0.0040	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
2-Methylphenol	ND		0.039	0.011	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Methylphenol, 3 & 4	**0.019**	**J**	0.039	0.012	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Naphthalene	**0.018**		0.0080	0.0016	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Nitrobenzene	ND		0.080	0.015	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Pentachlorophenol	ND		0.20	0.064	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Phenanthrene	**0.069**		0.0080	0.0021	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Phenol	ND		0.039	0.012	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Pyrene	**0.11**		0.0080	0.0019	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
Pyridine	ND	F1	0.080	0.021	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
2,4,5-Trichlorophenol	ND		0.039	0.014	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1
2,4,6-Trichlorophenol	ND		0.039	0.013	mg/Kg	☼	02/28/22 11:30	03/01/22 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*02/28/22 11:30*	*03/01/22 13:38*	*1*
2-Fluorophenol (Surr)	*60*		*32 - 105*	*02/28/22 11:30*	*03/01/22 13:38*	*1*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*	*02/28/22 11:30*	*03/01/22 13:38*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*02/28/22 11:30*	*03/01/22 13:38*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*02/28/22 11:30*	*03/01/22 13:38*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*02/28/22 11:30*	*03/01/22 13:38*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1248	**1.3**		0.020	0.0047	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1254	**0.36**		0.020	0.0059	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1260	**0.15**		0.020	0.0056	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	02/25/22 22:41	02/28/22 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/25/22 22:41*	*02/28/22 23:20*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/25/22 22:41*	*02/28/22 23:20*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-1

Client Sample ID: SSHS-IRM5A2-A2-A78C

Date Collected: 02/24/22 17:00
Date Received: 02/25/22 11:30

Lab Sample ID: 180-134244-3

Matrix: Solid
Percent Solids: 83.7

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*02/25/22 22:41*	*02/28/22 23:20*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*02/25/22 22:41*	*02/28/22 23:20*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.9**		0.93	0.58	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Barium	**60**		19	3.3	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Beryllium	**0.35**	**J**	0.37	0.10	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Cadmium	**0.093**	**J**	0.47	0.068	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Chromium	**9.7**		0.47	0.42	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Copper	**26**		2.3	1.4	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Lead	**17**		0.93	0.81	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Manganese	**410**		1.4	0.26	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Nickel	**17**		3.7	0.47	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Selenium	ND	^+	0.93	0.43	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Silver	ND		0.47	0.097	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1
Zinc	**55**		1.9	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 10:29	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.024	0.016	mg/Kg	☼	03/01/22 07:35	03/02/22 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.3**		0.1	0.1	%			02/25/22 13:35	1
Percent Solids	**83.7**		0.1	0.1	%			02/25/22 13:35	1
Hexavalent chromium	ND		0.48	0.26	mg/Kg	☼	03/01/22 21:31	03/03/22 15:25	1
Cyanide, Total	ND		0.54	0.41	mg/Kg	☼	03/01/22 10:30	03/01/22 14:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-389519/10
Matrix: Solid
Analysis Batch: 389519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/25/22 13:11	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/25/22 13:11	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/25/22 13:11	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/25/22 13:11	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/25/22 13:11	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/25/22 13:11	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/25/22 13:11	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/25/22 13:11	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/25/22 13:11	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/25/22 13:11	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/25/22 13:11	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/25/22 13:11	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/25/22 13:11	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/25/22 13:11	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/25/22 13:11	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/25/22 13:11	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/25/22 13:11	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/25/22 13:11	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/25/22 13:11	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/25/22 13:11	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/25/22 13:11	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/25/22 13:11	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/25/22 13:11	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/25/22 13:11	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/25/22 13:11	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/25/22 13:11	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/25/22 13:11	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/25/22 13:11	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/25/22 13:11	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/25/22 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*		*02/25/22 13:11*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*		*02/25/22 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*		*02/25/22 13:11*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*02/25/22 13:11*	*1*

Lab Sample ID: LCS 180-389519/3
Matrix: Solid
Analysis Batch: 389519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0209		mg/Kg		52	23 - 170
Benzene	0.0400	0.0402		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0209		mg/Kg		52	39 - 157
Carbon tetrachloride	0.0400	0.0373		mg/Kg		93	73 - 130
Chlorobenzene	0.0400	0.0393		mg/Kg		98	79 - 122
Chloroform	0.0400	0.0345		mg/Kg		86	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-389519/3
Matrix: Solid
Analysis Batch: 389519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0361		mg/Kg		90	77 - 118
1,2-Dichlorobenzene	0.0400	0.0394		mg/Kg		98	76 - 120
1,3-Dichlorobenzene	0.0400	0.0411		mg/Kg		103	77 - 121
1,4-Dichlorobenzene	0.0400	0.0406		mg/Kg		102	79 - 120
1,1-Dichloroethane	0.0400	0.0370		mg/Kg		92	73 - 124
1,2-Dichloroethane	0.0400	0.0366		mg/Kg		91	64 - 140
1,1-Dichloroethene	0.0400	0.0370		mg/Kg		93	55 - 136
1,4-Dioxane	0.800	0.680	J	mg/Kg		85	18 - 166
Ethylbenzene	0.0400	0.0412		mg/Kg		103	79 - 119
Methylene Chloride	0.0400	0.0376		mg/Kg		94	67 - 131
Methyl tert-butyl ether	0.0400	0.0261		mg/Kg		65	58 - 132
n-Butylbenzene	0.0400	0.0405		mg/Kg		101	64 - 136
N-Propylbenzene	0.0400	0.0427		mg/Kg		107	71 - 127
sec-Butylbenzene	0.0400	0.0409		mg/Kg		102	65 - 130
tert-Butylbenzene	0.0400	0.0408		mg/Kg		102	69 - 133
Tetrachloroethene	0.0400	0.0409		mg/Kg		102	71 - 121
Toluene	0.0400	0.0439		mg/Kg		110	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0360		mg/Kg		90	75 - 122
1,1,1-Trichloroethane	0.0400	0.0344		mg/Kg		86	72 - 134
Trichloroethene	0.0400	0.0388		mg/Kg		97	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0406		mg/Kg		102	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0435		mg/Kg		109	69 - 131
Vinyl chloride	0.0400	0.0339		mg/Kg		85	64 - 134
Xylenes, Total	0.0800	0.0813		mg/Kg		102	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*89*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: LCSD 180-389519/4
Matrix: Solid
Analysis Batch: 389519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0223		mg/Kg		56	23 - 170	7	35
Benzene	0.0400	0.0405		mg/Kg		101	77 - 120	1	20
2-Butanone (MEK)	0.0400	0.0246		mg/Kg		62	39 - 157	16	33
Carbon tetrachloride	0.0400	0.0445		mg/Kg		111	73 - 130	17	21
Chlorobenzene	0.0400	0.0406		mg/Kg		101	79 - 122	3	20
Chloroform	0.0400	0.0441	*1	mg/Kg		110	73 - 126	24	20
cis-1,2-Dichloroethene	0.0400	0.0412		mg/Kg		103	77 - 118	13	20
1,2-Dichlorobenzene	0.0400	0.0411		mg/Kg		103	76 - 120	4	20
1,3-Dichlorobenzene	0.0400	0.0424		mg/Kg		106	77 - 121	3	20
1,4-Dichlorobenzene	0.0400	0.0419		mg/Kg		105	79 - 120	3	20
1,1-Dichloroethane	0.0400	0.0419		mg/Kg		105	73 - 124	13	20
1,2-Dichloroethane	0.0400	0.0388		mg/Kg		97	64 - 140	6	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-389519/4
Matrix: Solid
Analysis Batch: 389519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0410		mg/Kg		102	55 - 136	10	21
1,4-Dioxane			0.800	0.752	J	mg/Kg		94	18 - 166	10	40
Ethylbenzene			0.0400	0.0432		mg/Kg		108	79 - 119	5	20
Methylene Chloride			0.0400	0.0444		mg/Kg		111	67 - 131	17	32
Methyl tert-butyl ether			0.0400	0.0328		mg/Kg		82	58 - 132	23	24
n-Butylbenzene			0.0400	0.0437		mg/Kg		109	64 - 136	8	21
N-Propylbenzene			0.0400	0.0434		mg/Kg		108	71 - 127	2	20
sec-Butylbenzene			0.0400	0.0429		mg/Kg		107	65 - 130	5	20
tert-Butylbenzene			0.0400	0.0430		mg/Kg		107	69 - 133	5	23
Tetrachloroethene			0.0400	0.0434		mg/Kg		109	71 - 121	6	21
Toluene			0.0400	0.0438		mg/Kg		109	76 - 120	0	20
trans-1,2-Dichloroethene			0.0400	0.0409		mg/Kg		102	75 - 122	13	20
1,1,1-Trichloroethane			0.0400	0.0411		mg/Kg		103	72 - 134	18	20
Trichloroethene			0.0400	0.0414		mg/Kg		103	69 - 118	6	20
1,2,4-Trimethylbenzene			0.0400	0.0433		mg/Kg		108	74 - 127	6	20
1,3,5-Trimethylbenzene			0.0400	0.0447		mg/Kg		112	69 - 131	3	20
Vinyl chloride			0.0400	0.0375		mg/Kg		94	64 - 134	10	23
Xylenes, Total			0.0800	0.0875		mg/Kg		109	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-389799/1-A
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Anthracene	ND		0.0067	0.0017	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Chrysene	ND		0.0067	0.0037	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Fluorene	ND		0.0067	0.0013	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		02/28/22 11:30	03/01/22 12:10	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-389799/1-A
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Phenol	ND		0.033	0.010	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Pyrene	ND		0.0067	0.0016	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
Pyridine	ND		0.067	0.018	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		02/28/22 11:30	03/01/22 12:10	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		02/28/22 11:30	03/01/22 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*02/28/22 11:30*	*03/01/22 12:10*	*1*
2-Fluorophenol (Surr)	*73*		*32 - 105*	*02/28/22 11:30*	*03/01/22 12:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*02/28/22 11:30*	*03/01/22 12:10*	*1*
Phenol-d5 (Surr)	*74*		*34 - 105*	*02/28/22 11:30*	*03/01/22 12:10*	*1*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*02/28/22 11:30*	*03/01/22 12:10*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*	*02/28/22 11:30*	*03/01/22 12:10*	*1*

Lab Sample ID: LCS 180-389799/2-A
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.487		mg/Kg		73	41 - 100
Acenaphthylene	0.667	0.481		mg/Kg		72	45 - 100
Anthracene	0.667	0.471		mg/Kg		71	47 - 100
Benzo[a]anthracene	0.667	0.474		mg/Kg		71	47 - 100
Benzo[a]pyrene	0.667	0.443		mg/Kg		66	45 - 101
Benzo[b]fluoranthene	0.667	0.439		mg/Kg		66	44 - 100
Benzo[g,h,i]perylene	0.667	0.481		mg/Kg		72	45 - 103
Benzo[k]fluoranthene	0.667	0.431		mg/Kg		65	43 - 100
Chrysene	0.667	0.456		mg/Kg		68	44 - 100
Dibenz(a,h)anthracene	0.667	0.499		mg/Kg		75	46 - 107
Dibenzofuran	0.667	0.465		mg/Kg		70	47 - 100
2,4-Dinitrotoluene	0.667	0.505		mg/Kg		76	48 - 106
1,4-Dioxane	0.667	0.495		mg/Kg		74	10 - 133
Fluoranthene	0.667	0.475		mg/Kg		71	49 - 102
Fluorene	0.667	0.416		mg/Kg		62	46 - 100
Hexachlorobenzene	0.667	0.501		mg/Kg		75	45 - 101
Hexachlorobutadiene	0.667	0.457		mg/Kg		69	38 - 110
Hexachloroethane	0.667	0.438		mg/Kg		66	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.502		mg/Kg		75	48 - 104
2-Methylphenol	0.667	0.448		mg/Kg		67	43 - 101
Methylphenol, 3 & 4	0.667	0.421		mg/Kg		63	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-389799/2-A
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	0.667	0.432		mg/Kg		65	43 - 100
Nitrobenzene	0.667	0.455		mg/Kg		68	43 - 107
Pentachlorophenol	1.33	0.964		mg/Kg		72	34 - 112
Phenanthrene	0.667	0.451		mg/Kg		68	46 - 100
Phenol	0.667	0.435		mg/Kg		65	42 - 103
Pyrene	0.667	0.444		mg/Kg		67	44 - 102
Pyridine	1.33	1.05		mg/Kg		79	25 - 109
2,4,5-Trichlorophenol	0.667	0.522		mg/Kg		78	47 - 108
2,4,6-Trichlorophenol	0.667	0.507		mg/Kg		76	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*35 - 105*
2-Fluorophenol (Surr)	*80*		*32 - 105*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*
Phenol-d5 (Surr)	*74*		*34 - 105*
Terphenyl-d14 (Surr)	*78*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*88*		*20 - 119*

Lab Sample ID: 180-134244-3 MS
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: SSHS-IRM5A2-A2-A78C
Prep Type: Total/NA
Prep Batch: 389799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.796	0.567		mg/Kg	☼	71	41 - 100
Acenaphthylene	0.047		0.796	0.596		mg/Kg	☼	69	45 - 100
Anthracene	0.033		0.796	0.609		mg/Kg	☼	72	47 - 100
Benzo[a]anthracene	0.076		0.796	0.645		mg/Kg	☼	72	47 - 100
Benzo[a]pyrene	0.082		0.796	0.640		mg/Kg	☼	70	45 - 101
Benzo[b]fluoranthene	0.11		0.796	0.618		mg/Kg	☼	64	44 - 100
Benzo[g,h,i]perylene	0.12	F1	0.796	0.808		mg/Kg	☼	87	45 - 103
Benzo[k]fluoranthene	0.027		0.796	0.564		mg/Kg	☼	68	43 - 100
Chrysene	0.069		0.796	0.624		mg/Kg	☼	70	44 - 100
Dibenz(a,h)anthracene	0.021		0.796	0.732		mg/Kg	☼	89	46 - 107
Dibenzofuran	ND		0.796	0.569		mg/Kg	☼	72	47 - 100
2,4-Dinitrotoluene	ND		0.796	0.599		mg/Kg	☼	75	48 - 106
1,4-Dioxane	ND		0.796	0.311		mg/Kg	☼	39	10 - 133
Fluoranthene	0.15		0.796	0.726		mg/Kg	☼	73	49 - 102
Fluorene	0.0048	J	0.796	0.582		mg/Kg	☼	73	46 - 100
Hexachlorobenzene	ND		0.796	0.635		mg/Kg	☼	80	45 - 101
Hexachlorobutadiene	ND		0.796	0.555		mg/Kg	☼	70	38 - 110
Hexachloroethane	ND		0.796	0.479		mg/Kg	☼	60	40 - 100
Indeno[1,2,3-cd]pyrene	0.080		0.796	0.797		mg/Kg	☼	90	48 - 104
2-Methylphenol	ND		0.796	0.467		mg/Kg	☼	59	43 - 101
Methylphenol, 3 & 4	0.019	J	0.796	0.493		mg/Kg	☼	59	43 - 104
Naphthalene	0.018		0.796	0.544		mg/Kg	☼	66	43 - 100
Nitrobenzene	ND		0.796	0.543		mg/Kg	☼	68	43 - 107
Pentachlorophenol	ND		1.59	0.864		mg/Kg	☼	54	34 - 112
Phenanthrene	0.069		0.796	0.613		mg/Kg	☼	68	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-134244-3 MS
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: SSHS-IRM5A2-A2-A78C
Prep Type: Total/NA
Prep Batch: 389799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		0.796	0.571		mg/Kg	☼	72	42 - 103
Pyrene	0.11		0.796	0.599		mg/Kg	☼	61	44 - 102
Pyridine	ND	F1	1.59	0.328	F1	mg/Kg	☼	21	25 - 109
2,4,5-Trichlorophenol	ND		0.796	0.564		mg/Kg	☼	71	47 - 108
2,4,6-Trichlorophenol	ND		0.796	0.588		mg/Kg	☼	74	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*35 - 105*
2-Fluorophenol (Surr)	*91*		*32 - 105*
Nitrobenzene-d5 (Surr)	*79*		*34 - 109*
Phenol-d5 (Surr)	*85*		*34 - 105*
Terphenyl-d14 (Surr)	*75*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*90*		*20 - 119*

Lab Sample ID: 180-134244-3 MSD
Matrix: Solid
Analysis Batch: 389915

Client Sample ID: SSHS-IRM5A2-A2-A78C
Prep Type: Total/NA
Prep Batch: 389799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.796	0.579		mg/Kg	☼	73	41 - 100	2	22
Acenaphthylene	0.047		0.796	0.619		mg/Kg	☼	72	45 - 100	4	23
Anthracene	0.033		0.796	0.635		mg/Kg	☼	76	47 - 100	4	26
Benzo[a]anthracene	0.076		0.796	0.684		mg/Kg	☼	76	47 - 100	6	24
Benzo[a]pyrene	0.082		0.796	0.635		mg/Kg	☼	69	45 - 101	1	21
Benzo[b]fluoranthene	0.11		0.796	0.622		mg/Kg	☼	65	44 - 100	1	26
Benzo[g,h,i]perylene	0.12	F1	0.796	0.978	F1	mg/Kg	☼	108	45 - 103	19	22
Benzo[k]fluoranthene	0.027		0.796	0.549		mg/Kg	☼	66	43 - 100	3	18
Chrysene	0.069		0.796	0.656		mg/Kg	☼	74	44 - 100	5	26
Dibenz(a,h)anthracene	0.021		0.796	0.821		mg/Kg	☼	100	46 - 107	11	24
Dibenzofuran	ND		0.796	0.567		mg/Kg	☼	71	47 - 100	0	19
2,4-Dinitrotoluene	ND		0.796	0.605		mg/Kg	☼	76	48 - 106	1	20
1,4-Dioxane	ND		0.796	0.344		mg/Kg	☼	43	10 - 133	10	40
Fluoranthene	0.15		0.796	0.745		mg/Kg	☼	75	49 - 102	3	26
Fluorene	0.0048	J	0.796	0.596		mg/Kg	☼	74	46 - 100	2	22
Hexachlorobenzene	ND		0.796	0.672		mg/Kg	☼	84	45 - 101	6	27
Hexachlorobutadiene	ND		0.796	0.573		mg/Kg	☼	72	38 - 110	3	27
Hexachloroethane	ND		0.796	0.515		mg/Kg	☼	65	40 - 100	7	27
Indeno[1,2,3-cd]pyrene	0.080		0.796	0.907		mg/Kg	☼	104	48 - 104	13	22
2-Methylphenol	ND		0.796	0.506		mg/Kg	☼	64	43 - 101	8	27
Methylphenol, 3 & 4	0.019	J	0.796	0.543		mg/Kg	☼	66	43 - 104	10	24
Naphthalene	0.018		0.796	0.569		mg/Kg	☼	69	43 - 100	4	28
Nitrobenzene	ND		0.796	0.569		mg/Kg	☼	72	43 - 107	5	28
Pentachlorophenol	ND		1.59	0.917		mg/Kg	☼	58	34 - 112	6	28
Phenanthrene	0.069		0.796	0.632		mg/Kg	☼	71	46 - 100	3	27
Phenol	ND		0.796	0.537		mg/Kg	☼	67	42 - 103	6	30
Pyrene	0.11		0.796	0.629		mg/Kg	☼	65	44 - 102	5	27
Pyridine	ND	F1	1.59	0.261	F1	mg/Kg	☼	16	25 - 109	23	31
2,4,5-Trichlorophenol	ND		0.796	0.570		mg/Kg	☼	72	47 - 108	1	19

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-134244-3 MSD **Client Sample ID: SSHS-IRM5A2-A2-A78C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 389915 **Prep Batch: 389799**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.796	0.590		mg/Kg	☼	74	47 - 108	0	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*35 - 105*
2-Fluorophenol (Surr)	*100*		*32 - 105*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*
Phenol-d5 (Surr)	*77*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*94*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-389654/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 389703 **Prep Batch: 389654**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1221	ND		0.017	0.0059	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1232	ND		0.017	0.0041	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1242	ND		0.017	0.0024	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1248	ND		0.017	0.0040	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1254	ND		0.017	0.0050	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1260	ND		0.017	0.0047	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1262	ND		0.017	0.0059	mg/Kg		02/25/22 22:41	02/28/22 20:11	1
PCB-1268	ND		0.017	0.0022	mg/Kg		02/25/22 22:41	02/28/22 20:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*02/25/22 22:41*	*02/28/22 20:11*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*02/25/22 22:41*	*02/28/22 20:11*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*02/25/22 22:41*	*02/28/22 20:11*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*02/25/22 22:41*	*02/28/22 20:11*	*1*

Lab Sample ID: LCS 180-389654/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 389703 **Prep Batch: 389654**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.60		mg/Kg		120	43 - 136		
PCB-1260			1.33	1.63		mg/Kg		122	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-389833/1-A
Matrix: Solid
Analysis Batch: 390019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Barium	ND		20	3.6	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Beryllium	ND		0.40	0.11	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Cadmium	ND		0.50	0.073	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Chromium	ND		0.50	0.46	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Copper	ND		2.5	1.5	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Lead	ND		1.0	0.87	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Manganese	ND		1.5	0.28	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Nickel	ND		4.0	0.50	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Selenium	ND	^+	1.0	0.46	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Silver	ND		0.50	0.10	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Zinc	ND		2.0	1.2	mg/Kg		02/28/22 16:17	03/01/22 10:20	1

Lab Sample ID: LCS 180-389833/2-A
Matrix: Solid
Analysis Batch: 390019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120
Barium	100	103		mg/Kg		103	80 - 120
Beryllium	50.0	51.8		mg/Kg		104	80 - 120
Cadmium	50.0	50.4		mg/Kg		101	80 - 120
Chromium	50.0	48.6		mg/Kg		97	80 - 120
Copper	50.0	51.4		mg/Kg		103	80 - 120
Lead	50.0	46.9		mg/Kg		94	80 - 120
Manganese	50.0	49.3		mg/Kg		99	80 - 120
Nickel	50.0	50.1		mg/Kg		100	80 - 120
Selenium	100	90.7	^+	mg/Kg		91	80 - 120
Silver	25.0	24.7		mg/Kg		99	80 - 120
Zinc	25.0	22.9		mg/Kg		91	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-389826/1-A
Matrix: Solid
Analysis Batch: 390060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/01/22 07:35	03/02/22 09:02	1

Lab Sample ID: LCS 180-389826/2-A
Matrix: Solid
Analysis Batch: 390060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.364		mg/Kg		87	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-390005/1-A
Matrix: Solid
Analysis Batch: 390295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		03/01/22 21:31	03/03/22 14:55	1

Lab Sample ID: LCSI 180-390005/3-A
Matrix: Solid
Analysis Batch: 390295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390005

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	632		mg/Kg		89	80 - 120

Lab Sample ID: LCSS 180-390005/2-A
Matrix: Solid
Analysis Batch: 390295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390005

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.8		mg/Kg		84	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-389885/4-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/01/22 10:30	03/01/22 14:30	1

Lab Sample ID: HLCS 180-389885/2-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-389885/3-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.7		mg/Kg		85	17 - 163

Lab Sample ID: LLCS 180-389885/1-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0511		mg/Kg		102	90 - 110

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134244-1

GC/MS VOA

Analysis Batch: 389519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-1	SSHS-IRM5A2-A2-A78A	Total/NA	Solid	EPA 8260C	389620
180-134244-2	SSHS-IRM5A2-A2-A78B	Total/NA	Solid	EPA 8260C	389620
MB 180-389519/10	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-389519/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-389519/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 389620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-1	SSHS-IRM5A2-A2-A78A	Total/NA	Solid	5035	
180-134244-2	SSHS-IRM5A2-A2-A78B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 389799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3541	
MB 180-389799/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-389799/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-134244-3 MS	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3541	
180-134244-3 MSD	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3541	

Analysis Batch: 389915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 8270D LL	389799
MB 180-389799/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	389799
LCS 180-389799/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	389799
180-134244-3 MS	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 8270D LL	389799
180-134244-3 MSD	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 8270D LL	389799

GC Semi VOA

Prep Batch: 389654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3541	
MB 180-389654/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-389654/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 389703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 8082A	389732
MB 180-389654/1-A	Method Blank	Total/NA	Solid	EPA 8082A	389654
LCS 180-389654/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	389654

Cleanup Batch: 389731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3665A	389654

Cleanup Batch: 389732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3660B	389731

Metals

Prep Batch: 389826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	7471B	
MB 180-389826/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-389826/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 389833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3050B	
MB 180-389833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-389833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 390019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 6010C	389833
MB 180-389833/1-A	Method Blank	Total/NA	Solid	EPA 6010C	389833
LCS 180-389833/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	389833

Analysis Batch: 390060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 7471B	389826
MB 180-389826/1-A	Method Blank	Total/NA	Solid	EPA 7471B	389826
LCS 180-389826/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	389826

General Chemistry

Analysis Batch: 389622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-1	SSHS-IRM5A2-A2-A78A	Total/NA	Solid	2540G	
180-134244-2	SSHS-IRM5A2-A2-A78B	Total/NA	Solid	2540G	
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	2540G	

Prep Batch: 389885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	9010C	
MB 180-389885/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-389885/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-389885/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-389885/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 390005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	3060A	
MB 180-390005/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-390005/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-390005/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 390047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 9014	389885
MB 180-389885/4-A	Method Blank	Total/NA	Solid	EPA 9014	389885
HLCS 180-389885/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885
LCS 180-389885/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885

General Chemistry (Continued)

Analysis Batch: 390047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 180-389885/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885

Analysis Batch: 390295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134244-3	SSHS-IRM5A2-A2-A78C	Total/NA	Solid	EPA 7196A	390005
MB 180-390005/1-A	Method Blank	Total/NA	Solid	EPA 7196A	390005
LCSI 180-390005/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390005
LCSS 180-390005/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390005

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 5 day		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 410-381-4333	PO #: MN08321		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site-	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A78A	2/24/22	1700	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A78B	2/24/22	1700	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A78C	2/24/22	1700	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/24/22 1730			2/25/22 1130	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A78A	2/24/22	1700	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A78B	2/24/22	1700	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A78C	2/24/22	1700	C	S	N	N		X	X	X	X	X	X	X	5	

180-134244 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2/24/22 1730		[signature]	2/25/22	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 168 6891	Cooler Temperature(s) °C and Other Remarks: 5,4

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Tracking # : 7760 8335 2598

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: ___ 180-134244 Field Sheet ___

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L02 Corr. Factor: (+ / -) _____ °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: 1668891

Cooler ID: _____

Temp Observed: 5.4 °C Corrected: 5.4 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 2/25/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☐	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☑ NC 2-25-22	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☐	☐	☑

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 2/25/22

Notes: ONLY 2 CONTAINERS IN COOLER FOR SAMPLE SSHS-IRM5A2-A78C

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 2-25-22

WR3-138

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134244-1

Login Number: 134244
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134308-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/7/2022 2:58:03 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134308-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134308-1

Receipt
The samples were received on 2/26/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0º C, 2.5º C, 2.6º C and 2.7º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D LL: The following samples were diluted due to the nature of the sample matrix: SSHS-IRM5A2-A2-A79C (180-134308-3) and its matrix spikes, SSHS-IRM5A2-A2-A80C (180-134308-6), SSHS-IRM5A2-A2-A81C (180-134308-9), SSHS-IRM5A2-A2-A82C (180-134308-12), SSHS-IRM5A2-A2-A83C (180-134308-15), SSHS-IRM5A2-A2-A84C (180-134308-18), SSHS-IRM5A2-A2-A85C (180-134308-21), and SSHS-IRM5A2-A2-A86C (180-134308-24). Elevated reporting limits (RLs) are provided.

Method 8270D LL: The internal standard response of perylene-d12 was above criteria for the following sample: SSHS-IRM5A2-A2-DUP14C (180-134308-33). The sample showed evidence of matrix interference, therefore, re-analysis was not completed.

Method 8270D LL: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A79C (180-134308-3) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-389856 (CCVIS 180-389856/5) was below criteria for surrogate decachlorobiphenyl on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following sample was diluted to bring the concentration of manganese within the linear range of the instrument: SSHS-IRM5A2-A2-A86C (180-134308-24). Elevated reporting limits (RLs) are provided. Silver, arsenic, and selenium were also reported from dilution due to inter-element corrections associated with manganese.

Method 6010C: The ending low level continuing calibration verification (CCVL) associated with batch 180-390019 recovered above the control limits for selenium. As the samples associated with this CCVL did not have selenium detected or had selenium detected below the reporting limit, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A79C (180-134308-3) had several recoveries and the RPD between the spikes for lead outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 7196A: The soluble, insoluble, and post-digestion spike (PDS) recoveries were below criteria for sample SSHS-IRM5A2-A2-A79C (180-134308-3). Acceptable laboratory control sample (LCS) soluble and insoluble analysis data demonstrate that the analytical system was operating in control; therefore, this condition is most likely due to a matrix effect. An oxidation reduction potential (ORP) test was performed and the associated ORP chart is included in the report. The sample was re-analyzed and again had the spike recoveries below criteria. Results of both analyses were reported.

Job ID: 180-134308-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 9014: The laboratory control sample for total cyanide, (LCS 180-389885/3-A), was analyzed at a 2x dilution. Due to manual entry of results for this analysis batch into the LIMS instead of instrumental upload, the raw data concentration for the LCS was divided by a factor of 2 for entry into the LIMS. The LIMS calculation then applies the 2x dilution factor to the result to calculate the final concentration. If instrumental upload of results is done, the LIMS does not preform additional dilution calculations.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134308-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134308-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134308-1	SSHS-IRM5A2-A2-A79A	Solid	02/25/22 12:40	02/26/22 13:15
180-134308-2	SSHS-IRM5A2-A2-A79B	Solid	02/25/22 12:40	02/26/22 13:15
180-134308-3	SSHS-IRM5A2-A2-A79C	Solid	02/25/22 12:40	02/26/22 13:15
180-134308-4	SSHS-IRM5A2-A2-A80A	Solid	02/25/22 12:50	02/26/22 13:15
180-134308-5	SSHS-IRM5A2-A2-A80B	Solid	02/25/22 12:50	02/26/22 13:15
180-134308-6	SSHS-IRM5A2-A2-A80C	Solid	02/25/22 12:50	02/26/22 13:15
180-134308-7	SSHS-IRM5A2-A2-A81A	Solid	02/25/22 13:00	02/26/22 13:15
180-134308-8	SSHS-IRM5A2-A2-A81B	Solid	02/25/22 13:00	02/26/22 13:15
180-134308-9	SSHS-IRM5A2-A2-A81C	Solid	02/25/22 13:00	02/26/22 13:15
180-134308-10	SSHS-IRM5A2-A2-A82A	Solid	02/25/22 13:10	02/26/22 13:15
180-134308-11	SSHS-IRM5A2-A2-A82B	Solid	02/25/22 13:10	02/26/22 13:15
180-134308-12	SSHS-IRM5A2-A2-A82C	Solid	02/25/22 13:10	02/26/22 13:15
180-134308-13	SSHS-IRM5A2-A2-A83A	Solid	02/25/22 13:20	02/26/22 13:15
180-134308-14	SSHS-IRM5A2-A2-A83B	Solid	02/25/22 13:20	02/26/22 13:15
180-134308-15	SSHS-IRM5A2-A2-A83C	Solid	02/25/22 13:20	02/26/22 13:15
180-134308-16	SSHS-IRM5A2-A2-A84A	Solid	02/25/22 13:30	02/26/22 13:15
180-134308-17	SSHS-IRM5A2-A2-A84B	Solid	02/25/22 13:30	02/26/22 13:15
180-134308-18	SSHS-IRM5A2-A2-A84C	Solid	02/25/22 13:30	02/26/22 13:15
180-134308-19	SSHS-IRM5A2-A2-A85A	Solid	02/25/22 13:50	02/26/22 13:15
180-134308-20	SSHS-IRM5A2-A2-A85B	Solid	02/25/22 13:50	02/26/22 13:15
180-134308-21	SSHS-IRM5A2-A2-A85C	Solid	02/25/22 13:50	02/26/22 13:15
180-134308-22	SSHS-IRM5A2-A2-A86A	Solid	02/25/22 15:30	02/26/22 13:15
180-134308-23	SSHS-IRM5A2-A2-A86B	Solid	02/25/22 15:30	02/26/22 13:15
180-134308-24	SSHS-IRM5A2-A2-A86C	Solid	02/25/22 15:30	02/26/22 13:15
180-134308-25	SSHS-IRM5A2-A2-A87A	Solid	02/25/22 15:40	02/26/22 13:15
180-134308-26	SSHS-IRM5A2-A2-A87B	Solid	02/25/22 15:40	02/26/22 13:15
180-134308-27	SSHS-IRM5A2-A2-A87C	Solid	02/25/22 15:40	02/26/22 13:15
180-134308-28	SSHS-IRM5A2-A2-A88A	Solid	02/25/22 15:50	02/26/22 13:15
180-134308-29	SSHS-IRM5A2-A2-A88B	Solid	02/25/22 15:50	02/26/22 13:15
180-134308-30	SSHS-IRM5A2-A2-A88C	Solid	02/25/22 15:50	02/26/22 13:15
180-134308-31	SSHS-IRM5A2-A2-DUP14A	Solid	02/25/22 00:00	02/26/22 13:15
180-134308-32	SSHS-IRM5A2-A2-DUP14B	Solid	02/25/22 00:00	02/26/22 13:15
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Solid	02/25/22 00:00	02/26/22 13:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A79A
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389789	02/28/22 11:41	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A79A
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-1
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7781 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 09:05	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A79B
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389789	02/28/22 11:41	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A79B
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-2
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0205 g	5 mL	389870	03/01/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389862	03/01/22 08:30	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A79C
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A79C
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-3
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		3	1 mL	1 mL	390081	03/02/22 14:19	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A79C
Lab Sample ID: 180-134308-3
Date Collected: 02/25/22 12:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 10:56	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.57 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 10:33	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:24	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:32	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	3060A			2.52 g	100 mL	390287	03/03/22 12:10	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390487	03/04/22 16:52	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.28 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390047	03/01/22 14:57	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A80A
Lab Sample ID: 180-134308-4
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389789	02/28/22 11:41	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A80A
Lab Sample ID: 180-134308-4
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1344 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 10:39	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A80B
Lab Sample ID: 180-134308-5
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A80B

Lab Sample ID: 180-134308-5
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9658 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 11:03	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A80C

Lab Sample ID: 180-134308-6
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A80C

Lab Sample ID: 180-134308-6
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	390270	03/03/22 16:00	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 11:52	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.31 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 10:55	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.91 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:27	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:35	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.28 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:14	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A81A

Lab Sample ID: 180-134308-7
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A81A
Lab Sample ID: 180-134308-7
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0182 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 11:26	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A81B
Lab Sample ID: 180-134308-8
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A81B
Lab Sample ID: 180-134308-8
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1141 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 11:50	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A81C
Lab Sample ID: 180-134308-9
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A81C
Lab Sample ID: 180-134308-9
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		3	1 mL	1 mL	390270	03/03/22 16:22	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 12:11	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.36 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:09	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A81C
Lab Sample ID: 180-134308-9
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.98 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:28	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:36	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.21 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:16	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A82A
Lab Sample ID: 180-134308-10
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A82A
Lab Sample ID: 180-134308-10
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0153 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 12:13	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A82B
Lab Sample ID: 180-134308-11
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A82B
Lab Sample ID: 180-134308-11
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9811 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 12:37	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A82C
Lab Sample ID: 180-134308-12
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A82C
Lab Sample ID: 180-134308-12
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	390081	03/02/22 16:10	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 12:29	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.52 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:14	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.85 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:29	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:38	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.28 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:18	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A83A
Lab Sample ID: 180-134308-13
Date Collected: 02/25/22 13:20
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A83A
Lab Sample ID: 180-134308-13
Date Collected: 02/25/22 13:20
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.227 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 13:00	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A83B
Date Collected: 02/25/22 13:20
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A83B
Date Collected: 02/25/22 13:20
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-14
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0736 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 13:23	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A83C
Date Collected: 02/25/22 13:20
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A83C
Date Collected: 02/25/22 13:20
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-15
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	390270	03/03/22 16:45	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 12:48	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.28 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:18	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			1.00 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:30	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:39	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.31 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:19	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A84A
Lab Sample ID: 180-134308-16
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A84A
Lab Sample ID: 180-134308-16
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9441 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 13:46	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A84B
Lab Sample ID: 180-134308-17
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A84B
Lab Sample ID: 180-134308-17
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0086 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 14:09	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A84C
Lab Sample ID: 180-134308-18
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A84C
Lab Sample ID: 180-134308-18
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		3	1 mL	1 mL	390081	03/02/22 16:54	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A84C

Lab Sample ID: 180-134308-18
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 13:07	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.53 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:23	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.66 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:31	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:39	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:21	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A85A

Lab Sample ID: 180-134308-19
Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A85A

Lab Sample ID: 180-134308-19
Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0307 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 14:32	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A85B

Lab Sample ID: 180-134308-20
Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-134308-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A85B — Lab Sample ID: 180-134308-20

Date Collected: 02/25/22 13:50 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0511 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 14:56	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A85C — Lab Sample ID: 180-134308-21

Date Collected: 02/25/22 13:50 — **Matrix: Solid**
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A85C — Lab Sample ID: 180-134308-21

Date Collected: 02/25/22 13:50 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 89.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		2	1 mL	1 mL	390081	03/02/22 17:17	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 14:04	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.25 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:35	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:40	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.25 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:23	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A86A — Lab Sample ID: 180-134308-22

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-134308-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A86A — Lab Sample ID: 180-134308-22

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 93.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0383 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 15:20	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A86B — Lab Sample ID: 180-134308-23

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A86B — Lab Sample ID: 180-134308-23

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 90.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.902 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 15:42	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A86C — Lab Sample ID: 180-134308-24

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389943	03/01/22 13:28	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A86C — Lab Sample ID: 180-134308-24

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 89.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		5	1 mL	1 mL	390081	03/02/22 17:39	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 14:22	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.46 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:32	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A86C

Lab Sample ID: 180-134308-24
Date Collected: 02/25/22 15:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.46 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		5			390019	03/01/22 13:21	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.82 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:36	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:41	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	389885	03/01/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:25	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A87A

Lab Sample ID: 180-134308-25
Date Collected: 02/25/22 15:40
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A87A

Lab Sample ID: 180-134308-25
Date Collected: 02/25/22 15:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7935 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 16:05	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A87B

Lab Sample ID: 180-134308-26
Date Collected: 02/25/22 15:40
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A87B

Lab Sample ID: 180-134308-26
Date Collected: 02/25/22 15:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8071 g	5 mL	389870	03/01/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389862	03/01/22 09:39	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A87C
Date Collected: 02/25/22 15:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389947	03/01/22 14:02	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A87C
Date Collected: 02/25/22 15:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-27
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390081	03/02/22 18:01	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 14:41	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.66 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:36	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			1.66 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390124	03/02/22 11:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:37	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.55 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:41	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.28 g	10 mL	389942	03/01/22 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:49	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A88A
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A88A
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-28
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0313 g	5 mL	389728	02/28/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389721	02/28/22 16:53	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A88B
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A88B
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-29
Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7964 g	5 mL	389870	03/01/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389862	03/01/22 10:03	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A88C
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389947	03/01/22 14:02	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A88C
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-30
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390081	03/02/22 18:24	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 15:00	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.31 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:41	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-A88C
Lab Sample ID: 180-134308-30
Date Collected: 02/25/22 15:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.64 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:38	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.55 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:42	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.27 g	10 mL	389942	03/01/22 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:50	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-DUP14A
Lab Sample ID: 180-134308-31
Date Collected: 02/25/22 00:00
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP14A
Lab Sample ID: 180-134308-31
Date Collected: 02/25/22 00:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9819 g	5 mL	389870	03/01/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389862	03/01/22 10:26	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP14B
Lab Sample ID: 180-134308-32
Date Collected: 02/25/22 00:00
Matrix: Solid
Date Received: 02/26/22 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389803	02/28/22 13:07	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP14B
Lab Sample ID: 180-134308-32
Date Collected: 02/25/22 00:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7748 g	5 mL	389870	03/01/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	389862	03/01/22 10:49	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-DUP14C
Date Collected: 02/25/22 00:00
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			389947	03/01/22 14:02	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP14C
Date Collected: 02/25/22 00:00
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-33
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	389955	03/01/22 14:46	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390081	03/02/22 18:46	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	389761	02/28/22 09:00	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	389851	03/01/22 04:38	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	389852	03/01/22 04:39	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			389856	03/01/22 15:19	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.42 g	100 mL	389833	02/28/22 16:17	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			390019	03/01/22 11:46	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	390306	03/03/22 14:42	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390394	03/04/22 07:39	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	390277	03/03/22 11:54	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	25 mL	25 mL	390485	03/04/22 16:43	PMH	TAL PIT
	Instrument ID: GEN10S									
Total/NA	Prep	9010C			0.24 g	10 mL	389942	03/01/22 14:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			390066	03/01/22 18:55	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RGM = Rebecca Manns
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A79A

Lab Sample ID: 180-134308-1

Date Collected: 02/25/22 12:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 87.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0047	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Benzene	ND		0.0060	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
2-Butanone (MEK)	ND		0.0060	0.0030	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Carbon tetrachloride	ND		0.0060	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Chlorobenzene	ND		0.0060	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Chloroform	ND		0.0060	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
cis-1,2-Dichloroethene	ND		0.0060	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,2-Dichlorobenzene	ND		0.0060	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,3-Dichlorobenzene	ND		0.0060	0.0037	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,4-Dichlorobenzene	ND		0.0060	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,1-Dichloroethane	ND		0.0060	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,2-Dichloroethane	ND		0.0060	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,1-Dichloroethene	ND		0.0060	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,4-Dioxane	ND		1.2	0.042	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Ethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Methylene Chloride	ND		0.0060	0.0054	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Methyl tert-butyl ether	ND		0.0060	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
n-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
N-Propylbenzene	ND		0.0060	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
sec-Butylbenzene	ND		0.0060	0.0030	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
tert-Butylbenzene	ND		0.0060	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Tetrachloroethene	ND		0.0060	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Toluene	ND		0.0060	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
trans-1,2-Dichloroethene	ND		0.0060	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,1,1-Trichloroethane	ND		0.0060	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Trichloroethene	ND		0.0060	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
1,3,5-Trimethylbenzene	ND		0.0060	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Vinyl chloride	ND		0.0060	0.0043	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1
Xylenes, Total	ND		0.012	0.0086	mg/Kg	☼	02/28/22 06:00	02/28/22 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*02/28/22 06:00*	*02/28/22 09:05*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*02/28/22 06:00*	*02/28/22 09:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*02/28/22 06:00*	*02/28/22 09:05*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*02/28/22 06:00*	*02/28/22 09:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.8**		0.1	0.1	%			02/28/22 11:41	1
Percent Solids	**87.2**		0.1	0.1	%			02/28/22 11:41	1

Client Sample ID: SSHS-IRM5A2-A2-A79B

Lab Sample ID: 180-134308-2

Date Collected: 02/25/22 12:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1

Client Sample ID: SSHS-IRM5A2-A2-A79B
Lab Sample ID: 180-134308-2
Date Collected: 02/25/22 12:40 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.1**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	03/01/22 06:00	03/01/22 08:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*03/01/22 06:00*	*03/01/22 08:30*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*03/01/22 06:00*	*03/01/22 08:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*03/01/22 06:00*	*03/01/22 08:30*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*03/01/22 06:00*	*03/01/22 08:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.9**		0.1	0.1	%			02/28/22 11:41	1
Percent Solids	**89.1**		0.1	0.1	%			02/28/22 11:41	1

Client Sample ID: SSHS-IRM5A2-A2-A79C
Lab Sample ID: 180-134308-3
Date Collected: 02/25/22 12:40 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 85.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.023	0.0067	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Acenaphthylene	**0.029**		0.023	0.0051	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Anthracene	**0.022**	**J**	0.023	0.0060	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Benzo[a]anthracene	**0.069**		0.023	0.010	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3

Client Sample ID: SSHS-IRM5A2-A2-A79C
Date Collected: 02/25/22 12:40
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-3
Matrix: Solid
Percent Solids: 85.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.076**		0.023	0.010	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Benzo[b]fluoranthene	**0.096**		0.023	0.0057	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Benzo[g,h,i]perylene	**0.076**		0.023	0.0050	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Benzo[k]fluoranthene	**0.038**		0.023	0.0070	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Chrysene	**0.075**		0.023	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Dibenz(a,h)anthracene	**0.020**	**J**	0.023	0.015	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Dibenzofuran	ND		0.11	0.043	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
2,4-Dinitrotoluene	ND		0.11	0.069	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
1,4-Dioxane	ND		0.23	0.036	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Fluoranthene	**0.12**	**F1**	0.023	0.0061	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Fluorene	**0.0051**	**J**	0.023	0.0046	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Hexachlorobenzene	ND		0.023	0.0083	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Hexachlorobutadiene	ND		0.023	0.0068	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Hexachloroethane	ND		0.11	0.041	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Indeno[1,2,3-cd]pyrene	**0.063**		0.023	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
2-Methylphenol	ND		0.11	0.033	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Methylphenol, 3 & 4	**0.24**	**F1**	0.11	0.034	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Naphthalene	**0.019**	**J**	0.023	0.0045	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Nitrobenzene	ND		0.23	0.042	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Pentachlorophenol	ND		0.59	0.19	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Phenanthrene	**0.045**		0.023	0.0062	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Phenol	ND		0.11	0.035	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Pyrene	**0.12**		0.023	0.0055	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
Pyridine	ND	F1	0.23	0.063	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
2,4,5-Trichlorophenol	ND		0.11	0.040	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3
2,4,6-Trichlorophenol	ND		0.11	0.039	mg/Kg	☼	03/01/22 14:46	03/02/22 14:19	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*03/01/22 14:46*	*03/02/22 14:19*	*3*
2-Fluorophenol (Surr)	*58*		*32 - 105*	*03/01/22 14:46*	*03/02/22 14:19*	*3*
Nitrobenzene-d5 (Surr)	*56*		*34 - 109*	*03/01/22 14:46*	*03/02/22 14:19*	*3*
Phenol-d5 (Surr)	*62*		*34 - 105*	*03/01/22 14:46*	*03/02/22 14:19*	*3*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*03/01/22 14:46*	*03/02/22 14:19*	*3*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*	*03/01/22 14:46*	*03/02/22 14:19*	*3*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0064	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1221	ND		0.020	0.0069	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1248	**0.51**		0.020	0.0047	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1254	**0.15**		0.020	0.0059	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1260	**0.057**		0.020	0.0056	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1262	ND		0.020	0.0069	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1
PCB-1268	ND		0.020	0.0026	mg/Kg	☼	02/28/22 09:00	03/01/22 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*02/28/22 09:00*	*03/01/22 10:56*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*02/28/22 09:00*	*03/01/22 10:56*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A79C — Lab Sample ID: 180-134308-3

Date Collected: 02/25/22 12:40 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 85.0**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*02/28/22 09:00*	*03/01/22 10:56*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/28/22 09:00*	*03/01/22 10:56*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**	**F1**	0.75	0.47	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Barium	**53**	**F1**	15	2.7	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Beryllium	**0.33**	**F1**	0.30	0.082	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Cadmium	**0.088**	**J F1**	0.37	0.055	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Chromium	**9.0**	**F1**	0.37	0.34	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Copper	**44**	**F1**	1.9	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Lead	**14**	**F2 F1**	0.75	0.65	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Manganese	**250**		1.1	0.21	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Nickel	**12**		3.0	0.38	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Selenium	**0.53**	**J ^+ F1**	0.75	0.35	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Silver	ND	F1	0.37	0.078	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1
Zinc	**44**		1.5	0.89	mg/Kg	☼	02/28/22 16:17	03/01/22 10:33	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.034	0.022	mg/Kg	☼	03/03/22 14:42	03/04/22 07:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.0**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**85.0**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	ND	F1	0.46	0.25	mg/Kg	☼	03/03/22 11:54	03/04/22 16:32	1
Hexavalent chromium	ND	F1	0.47	0.25	mg/Kg	☼	03/03/22 12:10	03/04/22 16:52	1
Cyanide, Total	**0.44**		0.42	0.32	mg/Kg	☼	03/01/22 10:30	03/01/22 14:57	1

Client Sample ID: SSHS-IRM5A2-A2-A80A — Lab Sample ID: 180-134308-4

Date Collected: 02/25/22 12:50 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 92.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1

Client Sample ID: SSHS-IRM5A2-A2-A80A
Lab Sample ID: 180-134308-4

Date Collected: 02/25/22 12:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 92.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1
Xylenes, Total	ND		0.010	0.0076	mg/Kg	☼	02/28/22 06:00	02/28/22 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*02/28/22 06:00*	*02/28/22 10:39*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*02/28/22 06:00*	*02/28/22 10:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*02/28/22 06:00*	*02/28/22 10:39*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*02/28/22 06:00*	*02/28/22 10:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		0.1	0.1	%			02/28/22 11:41	1
Percent Solids	**92.9**		0.1	0.1	%			02/28/22 11:41	1

Client Sample ID: SSHS-IRM5A2-A2-A80B
Lab Sample ID: 180-134308-5

Date Collected: 02/25/22 12:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1

Client Sample ID: SSHS-IRM5A2-A2-A80B
Lab Sample ID: 180-134308-5
Date Collected: 02/25/22 12:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	02/28/22 06:00	02/28/22 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*02/28/22 06:00*	*02/28/22 11:03*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*02/28/22 06:00*	*02/28/22 11:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*02/28/22 06:00*	*02/28/22 11:03*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*02/28/22 06:00*	*02/28/22 11:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**89.7**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A80C
Lab Sample ID: 180-134308-6
Date Collected: 02/25/22 12:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 91.5**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.036	0.010	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Acenaphthylene	**0.039**		0.036	0.0078	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Anthracene	**0.019**	**J**	0.036	0.0093	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Benzo[a]anthracene	**0.046**		0.036	0.016	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Benzo[a]pyrene	**0.056**		0.036	0.015	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Benzo[b]fluoranthene	**0.082**		0.036	0.0088	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Benzo[g,h,i]perylene	**0.12**		0.036	0.0077	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Benzo[k]fluoranthene	**0.024**	**J**	0.036	0.011	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Chrysene	**0.064**		0.036	0.020	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Dibenz(a,h)anthracene	ND		0.036	0.023	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Dibenzofuran	ND		0.18	0.066	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
1,4-Dioxane	ND		0.36	0.056	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Fluoranthene	**0.068**		0.036	0.0094	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Fluorene	ND		0.036	0.0070	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Hexachlorobenzene	ND		0.036	0.013	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Hexachlorobutadiene	ND		0.036	0.010	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Hexachloroethane	ND		0.18	0.063	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5

Client Sample ID: SSHS-IRM5A2-A2-A80C
Date Collected: 02/25/22 12:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-6
Matrix: Solid
Percent Solids: 91.5

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.067**		0.036	0.018	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
2-Methylphenol	ND		0.18	0.051	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Methylphenol, 3 & 4	ND		0.18	0.052	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Naphthalene	**0.030**	**J**	0.036	0.0070	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Nitrobenzene	ND		0.36	0.065	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Pentachlorophenol	ND		0.91	0.29	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Phenanthrene	**0.027**	**J**	0.036	0.0096	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Phenol	ND		0.18	0.054	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Pyrene	**0.062**		0.036	0.0085	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
Pyridine	ND		0.36	0.096	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
2,4,5-Trichlorophenol	ND		0.18	0.062	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5
2,4,6-Trichlorophenol	ND		0.18	0.059	mg/Kg	☼	03/01/22 14:46	03/03/22 16:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*03/01/22 14:46*	*03/03/22 16:00*	*5*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*03/01/22 14:46*	*03/03/22 16:00*	*5*
Nitrobenzene-d5 (Surr)	*83*		*34 - 109*	*03/01/22 14:46*	*03/03/22 16:00*	*5*
Phenol-d5 (Surr)	*69*		*34 - 105*	*03/01/22 14:46*	*03/03/22 16:00*	*5*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*03/01/22 14:46*	*03/03/22 16:00*	*5*
2,4,6-Tribromophenol (Surr)	*82*		*20 - 119*	*03/01/22 14:46*	*03/03/22 16:00*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1248	**0.55**		0.018	0.0044	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1254	**0.16**		0.018	0.0055	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1260	**0.061**		0.018	0.0052	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	02/28/22 09:00	03/01/22 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*02/28/22 09:00*	*03/01/22 11:52*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*02/28/22 09:00*	*03/01/22 11:52*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*02/28/22 09:00*	*03/01/22 11:52*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/28/22 09:00*	*03/01/22 11:52*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.7**		0.83	0.52	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Barium	**50**		17	3.0	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Beryllium	**0.35**		0.33	0.091	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Cadmium	**0.099**	**J**	0.42	0.061	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Chromium	**9.5**		0.42	0.38	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Copper	**20**		2.1	1.3	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Lead	**13**		0.83	0.73	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Manganese	**480**		1.3	0.23	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Nickel	**16**		3.3	0.42	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1

Client Sample ID: SSHS-IRM5A2-A2-A80C
Lab Sample ID: 180-134308-6
Date Collected: 02/25/22 12:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 91.5**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND	^+	0.83	0.38	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Silver	ND		0.42	0.087	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1
Zinc	**52**		1.7	0.99	mg/Kg	☼	02/28/22 16:17	03/01/22 10:55	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**		0.024	0.015	mg/Kg	☼	03/03/22 14:42	03/04/22 07:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**91.5**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/03/22 11:54	03/04/22 16:35	1
Cyanide, Total	ND		0.39	0.30	mg/Kg	☼	03/01/22 10:30	03/01/22 18:14	1

Client Sample ID: SSHS-IRM5A2-A2-A81A
Lab Sample ID: 180-134308-7
Date Collected: 02/25/22 13:00 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 93.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1

Client Sample ID: SSHS-IRM5A2-A2-A81A — Lab Sample ID: 180-134308-7

Date Collected: 02/25/22 13:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 93.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	02/28/22 06:00	02/28/22 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*02/28/22 06:00*	*02/28/22 11:26*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*02/28/22 06:00*	*02/28/22 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*02/28/22 06:00*	*02/28/22 11:26*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*02/28/22 06:00*	*02/28/22 11:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**93.5**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A81B — Lab Sample ID: 180-134308-8

Date Collected: 02/25/22 13:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 94.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	02/28/22 06:00	02/28/22 11:50	1

Client Sample ID: SSHS-IRM5A2-A2-A81B — Lab Sample ID: 180-134308-8

Date Collected: 02/25/22 13:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 94.6**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*02/28/22 06:00*	*02/28/22 11:50*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*02/28/22 06:00*	*02/28/22 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*02/28/22 06:00*	*02/28/22 11:50*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*02/28/22 06:00*	*02/28/22 11:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.4**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**94.6**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A81C — Lab Sample ID: 180-134308-9

Date Collected: 02/25/22 13:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 83.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.024	0.0068	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Acenaphthylene	**0.033**		0.024	0.0052	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Anthracene	**0.027**		0.024	0.0061	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Benzo[a]anthracene	**0.066**		0.024	0.011	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Benzo[a]pyrene	**0.076**		0.024	0.010	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Benzo[b]fluoranthene	**0.087**		0.024	0.0058	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Benzo[g,h,i]perylene	**0.10**		0.024	0.0051	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Benzo[k]fluoranthene	**0.040**		0.024	0.0071	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Chrysene	**0.075**		0.024	0.013	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Dibenz(a,h)anthracene	**0.022**	**J**	0.024	0.015	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Dibenzofuran	ND		0.12	0.044	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
2,4-Dinitrotoluene	ND		0.12	0.070	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
1,4-Dioxane	ND		0.24	0.037	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Fluoranthene	**0.11**		0.024	0.0062	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Fluorene	**0.0066**	**J**	0.024	0.0046	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Hexachlorobenzene	ND		0.024	0.0085	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Hexachlorobutadiene	ND		0.024	0.0069	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Hexachloroethane	ND		0.12	0.042	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Indeno[1,2,3-cd]pyrene	**0.065**		0.024	0.012	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
2-Methylphenol	ND		0.12	0.034	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Methylphenol, 3 & 4	ND		0.12	0.035	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Naphthalene	**0.020**	**J**	0.024	0.0046	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Nitrobenzene	ND		0.24	0.043	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Pentachlorophenol	ND		0.60	0.19	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Phenanthrene	**0.053**		0.024	0.0063	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Phenol	ND		0.12	0.036	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Pyrene	**0.11**		0.024	0.0056	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
Pyridine	ND		0.24	0.064	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
2,4,5-Trichlorophenol	ND		0.12	0.041	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3
2,4,6-Trichlorophenol	ND		0.12	0.039	mg/Kg	☼	03/01/22 14:46	03/03/22 16:22	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*03/01/22 14:46*	*03/03/22 16:22*	*3*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*03/01/22 14:46*	*03/03/22 16:22*	*3*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*03/01/22 14:46*	*03/03/22 16:22*	*3*

Client Sample ID: SSHS-IRM5A2-A2-A81C
Date Collected: 02/25/22 13:00
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-9
Matrix: Solid
Percent Solids: 83.2

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*59*		*34 - 105*	*03/01/22 14:46*	*03/03/22 16:22*	*3*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*03/01/22 14:46*	*03/03/22 16:22*	*3*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*03/01/22 14:46*	*03/03/22 16:22*	*3*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0065	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1221	ND		0.020	0.0070	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1232	ND		0.020	0.0048	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1242	ND		0.020	0.0029	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1248	**0.22**		0.020	0.0048	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1254	**0.073**		0.020	0.0060	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1260	ND		0.020	0.0057	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1262	ND		0.020	0.0070	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1
PCB-1268	ND		0.020	0.0027	mg/Kg	☼	02/28/22 09:00	03/01/22 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*02/28/22 09:00*	*03/01/22 12:11*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*02/28/22 09:00*	*03/01/22 12:11*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*02/28/22 09:00*	*03/01/22 12:11*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*02/28/22 09:00*	*03/01/22 12:11*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		0.88	0.55	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Barium	**56**		18	3.1	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Beryllium	**0.33**	**J**	0.35	0.096	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Cadmium	**0.086**	**J**	0.44	0.065	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Chromium	**10**		0.44	0.40	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Copper	**18**		2.2	1.3	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Lead	**15**		0.88	0.77	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Manganese	**350**		1.3	0.25	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Nickel	**14**		3.5	0.45	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Selenium	ND	^+	0.88	0.41	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Silver	ND		0.44	0.092	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1
Zinc	**41**		1.8	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 11:09	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.024	0.016	mg/Kg	☼	03/03/22 14:42	03/04/22 07:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.8**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**83.2**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	**0.34**	**J**	0.48	0.26	mg/Kg	☼	03/03/22 11:54	03/04/22 16:36	1
Cyanide, Total	**0.63**		0.57	0.44	mg/Kg	☼	03/01/22 10:30	03/01/22 18:16	1

Client Sample ID: SSHS-IRM5A2-A2-A82A

Lab Sample ID: 180-134308-10

Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Carbon tetrachloride	ND		0.0055	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Ethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
n-Butylbenzene	ND		0.0055	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,1,1-Trichloroethane	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/28/22 06:00	02/28/22 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*02/28/22 06:00*	*02/28/22 12:13*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*02/28/22 06:00*	*02/28/22 12:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*02/28/22 06:00*	*02/28/22 12:13*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*02/28/22 06:00*	*02/28/22 12:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.1**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**89.9**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A82B

Lab Sample ID: 180-134308-11

Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 87.8

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1

Client Sample ID: SSHS-IRM5A2-A2-A82B
Lab Sample ID: 180-134308-11
Date Collected: 02/25/22 13:10 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 87.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Methylene Chloride	ND		0.0057	0.0052	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	02/28/22 06:00	02/28/22 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*02/28/22 06:00*	*02/28/22 12:37*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*02/28/22 06:00*	*02/28/22 12:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*02/28/22 06:00*	*02/28/22 12:37*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/28/22 06:00*	*02/28/22 12:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.2**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**87.8**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A82C
Lab Sample ID: 180-134308-12
Date Collected: 02/25/22 13:10 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 86.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.015	0.0044	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Acenaphthylene	**0.085**		0.015	0.0034	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Anthracene	**0.065**		0.015	0.0040	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Benzo[a]anthracene	**0.13**		0.015	0.0070	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2

Client Sample ID: SSHS-IRM5A2-A2-A82C **Lab Sample ID: 180-134308-12**
Date Collected: 02/25/22 13:10 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 86.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.14**		0.015	0.0067	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Benzo[b]fluoranthene	**0.17**		0.015	0.0038	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Benzo[g,h,i]perylene	**0.28**		0.015	0.0033	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Benzo[k]fluoranthene	**0.078**		0.015	0.0046	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Chrysene	**0.13**		0.015	0.0085	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Dibenz(a,h)anthracene	**0.050**		0.015	0.0099	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Dibenzofuran	ND		0.076	0.028	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
2,4-Dinitrotoluene	ND		0.076	0.046	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
1,4-Dioxane	ND		0.15	0.024	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Fluoranthene	**0.21**		0.015	0.0041	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Fluorene	ND		0.015	0.0030	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Hexachlorobenzene	ND		0.015	0.0055	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Hexachlorobutadiene	ND		0.015	0.0045	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Hexachloroethane	ND		0.076	0.027	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Indeno[1,2,3-cd]pyrene	**0.20**		0.015	0.0077	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
2-Methylphenol	ND		0.076	0.022	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Methylphenol, 3 & 4	ND		0.076	0.023	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Naphthalene	**0.11**		0.015	0.0030	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Nitrobenzene	ND		0.15	0.028	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Pentachlorophenol	ND		0.39	0.12	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Phenanthrene	**0.097**		0.015	0.0041	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Phenol	ND		0.076	0.023	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Pyrene	**0.18**		0.015	0.0036	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
Pyridine	ND		0.15	0.042	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
2,4,5-Trichlorophenol	ND		0.076	0.027	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2
2,4,6-Trichlorophenol	ND		0.076	0.026	mg/Kg	☼	03/01/22 14:46	03/02/22 16:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*03/01/22 14:46*	*03/02/22 16:10*	*2*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*03/01/22 14:46*	*03/02/22 16:10*	*2*
Nitrobenzene-d5 (Surr)	*73*		*34 - 109*	*03/01/22 14:46*	*03/02/22 16:10*	*2*
Phenol-d5 (Surr)	*59*		*34 - 105*	*03/01/22 14:46*	*03/02/22 16:10*	*2*
Terphenyl-d14 (Surr)	*66*		*20 - 117*	*03/01/22 14:46*	*03/02/22 16:10*	*2*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*	*03/01/22 14:46*	*03/02/22 16:10*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0063	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1221	ND		0.019	0.0068	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1232	ND		0.019	0.0047	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1248	**5.3**		0.019	0.0046	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1254	**1.3**		0.019	0.0058	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1260	**0.40**		0.019	0.0055	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1262	ND		0.019	0.0068	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1
PCB-1268	ND		0.019	0.0026	mg/Kg	☼	02/28/22 09:00	03/01/22 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*02/28/22 09:00*	*03/01/22 12:29*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*02/28/22 09:00*	*03/01/22 12:29*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A82C — Lab Sample ID: 180-134308-12

Date Collected: 02/25/22 13:10 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 86.6**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/28/22 09:00*	*03/01/22 12:29*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*02/28/22 09:00*	*03/01/22 12:29*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.7**		0.76	0.48	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Barium	**42**		15	2.7	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Beryllium	**0.26**	**J**	0.30	0.083	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Cadmium	**0.087**	**J**	0.38	0.056	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Chromium	**7.0**		0.38	0.35	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Copper	**20**		1.9	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Lead	**12**		0.76	0.66	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Manganese	**340**		1.1	0.21	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Nickel	**13**		3.0	0.38	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Selenium	ND	^+	0.76	0.35	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Silver	ND		0.38	0.079	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1
Zinc	**46**		1.5	0.90	mg/Kg	☼	02/28/22 16:17	03/01/22 11:14	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**		0.027	0.017	mg/Kg	☼	03/03/22 14:42	03/04/22 07:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.4**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**86.6**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	03/03/22 11:54	03/04/22 16:38	1
Cyanide, Total	ND		0.41	0.31	mg/Kg	☼	03/01/22 10:30	03/01/22 18:18	1

Client Sample ID: SSHS-IRM5A2-A2-A83A — Lab Sample ID: 180-134308-13

Date Collected: 02/25/22 13:20 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 93.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Chloroform	ND		0.0051	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
cis-1,2-Dichloroethene	ND		0.0051	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1

Client Sample ID: SSHS-IRM5A2-A2-A83A

Lab Sample ID: 180-134308-13

Date Collected: 02/25/22 13:20
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 93.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	02/28/22 06:00	02/28/22 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*02/28/22 06:00*	*02/28/22 13:00*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*02/28/22 06:00*	*02/28/22 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*02/28/22 06:00*	*02/28/22 13:00*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/28/22 06:00*	*02/28/22 13:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**93.2**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A83B

Lab Sample ID: 180-134308-14

Date Collected: 02/25/22 13:20
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1

Client Sample ID: SSHS-IRM5A2-A2-A83B
Lab Sample ID: 180-134308-14
Date Collected: 02/25/22 13:20 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 92.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	02/28/22 06:00	02/28/22 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*02/28/22 06:00*	*02/28/22 13:23*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*02/28/22 06:00*	*02/28/22 13:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*02/28/22 06:00*	*02/28/22 13:23*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*02/28/22 06:00*	*02/28/22 13:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**92.5**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A83C
Lab Sample ID: 180-134308-15
Date Collected: 02/25/22 13:20 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.015	0.0042	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Acenaphthylene	**0.0062**	**J**	0.015	0.0032	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Anthracene	ND		0.015	0.0038	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Benzo[a]anthracene	ND		0.015	0.0067	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Benzo[a]pyrene	ND		0.015	0.0064	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Benzo[b]fluoranthene	**0.011**	**J**	0.015	0.0036	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Benzo[g,h,i]perylene	**0.025**		0.015	0.0032	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Benzo[k]fluoranthene	ND		0.015	0.0044	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Chrysene	ND		0.015	0.0082	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Dibenz(a,h)anthracene	ND		0.015	0.0094	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Dibenzofuran	ND		0.073	0.027	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
2,4-Dinitrotoluene	ND		0.073	0.044	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Fluoranthene	**0.0042**	**J**	0.015	0.0039	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Fluorene	ND		0.015	0.0029	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Hexachlorobenzene	ND		0.015	0.0053	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Hexachlorobutadiene	ND		0.015	0.0043	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Hexachloroethane	ND		0.073	0.026	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Indeno[1,2,3-cd]pyrene	**0.012**	**J**	0.015	0.0073	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2

Client Sample ID: SSHS-IRM5A2-A2-A83C
Date Collected: 02/25/22 13:20
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-15
Matrix: Solid
Percent Solids: 89.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.073	0.021	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Methylphenol, 3 & 4	ND		0.073	0.022	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Naphthalene	ND		0.015	0.0029	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Phenanthrene	ND		0.015	0.0040	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Phenol	ND		0.073	0.022	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Pyrene	ND		0.015	0.0035	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
Pyridine	ND		0.15	0.040	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
2,4,5-Trichlorophenol	ND		0.073	0.026	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2
2,4,6-Trichlorophenol	ND		0.073	0.025	mg/Kg	☼	03/01/22 14:46	03/03/22 16:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*03/01/22 14:46*	*03/03/22 16:45*	*2*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*03/01/22 14:46*	*03/03/22 16:45*	*2*
Nitrobenzene-d5 (Surr)	*72*		*34 - 109*	*03/01/22 14:46*	*03/03/22 16:45*	*2*
Phenol-d5 (Surr)	*50*		*34 - 105*	*03/01/22 14:46*	*03/03/22 16:45*	*2*
Terphenyl-d14 (Surr)	*61*		*20 - 117*	*03/01/22 14:46*	*03/03/22 16:45*	*2*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 119*	*03/01/22 14:46*	*03/03/22 16:45*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0060	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1248	**0.046**		0.019	0.0044	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1254	**0.013**	**J**	0.019	0.0056	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1260	ND		0.019	0.0053	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1262	ND		0.019	0.0065	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/28/22 09:00	03/01/22 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*02/28/22 09:00*	*03/01/22 12:48*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*02/28/22 09:00*	*03/01/22 12:48*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*02/28/22 09:00*	*03/01/22 12:48*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/28/22 09:00*	*03/01/22 12:48*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		0.87	0.54	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Barium	**46**		17	3.1	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Beryllium	**0.32**	**J**	0.35	0.095	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Cadmium	**0.085**	**J**	0.43	0.064	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Chromium	**9.1**		0.43	0.40	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Copper	**20**		2.2	1.3	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Lead	**7.9**		0.87	0.76	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Manganese	**390**		1.3	0.24	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Nickel	**16**		3.5	0.44	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Selenium	ND	^+	0.87	0.40	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1

Client Sample ID: SSHS-IRM5A2-A2-A83C
Lab Sample ID: 180-134308-15
Date Collected: 02/25/22 13:20 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.9**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.43	0.090	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1
Zinc	**53**		1.7	1.0	mg/Kg	☼	02/28/22 16:17	03/01/22 11:18	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.014	mg/Kg	☼	03/03/22 14:42	03/04/22 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.1**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**89.9**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	**0.26**	**J**	0.44	0.23	mg/Kg	☼	03/03/22 11:54	03/04/22 16:39	1
Cyanide, Total	ND		0.36	0.27	mg/Kg	☼	03/01/22 10:30	03/01/22 18:19	1

Client Sample ID: SSHS-IRM5A2-A2-A84A
Lab Sample ID: 180-134308-16
Date Collected: 02/25/22 13:30 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 92.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
N-Propylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	02/28/22 06:00	02/28/22 13:46	1

Client Sample ID: SSHS-IRM5A2-A2-A84A — Lab Sample ID: 180-134308-16

Date Collected: 02/25/22 13:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 92.4**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*02/28/22 06:00*	*02/28/22 13:46*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*02/28/22 06:00*	*02/28/22 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*02/28/22 06:00*	*02/28/22 13:46*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*02/28/22 06:00*	*02/28/22 13:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**92.4**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A84B — Lab Sample ID: 180-134308-17

Date Collected: 02/25/22 13:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 90.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	02/28/22 06:00	02/28/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*02/28/22 06:00*	*02/28/22 14:09*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*02/28/22 06:00*	*02/28/22 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*02/28/22 06:00*	*02/28/22 14:09*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A84B — Lab Sample ID: 180-134308-17

Date Collected: 02/25/22 13:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 90.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/28/22 06:00*	*02/28/22 14:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**90.3**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A84C — Lab Sample ID: 180-134308-18

Date Collected: 02/25/22 13:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 88.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.023	0.0065	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Acenaphthylene	**0.17**		0.023	0.0049	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Anthracene	**0.12**		0.023	0.0058	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Benzo[a]anthracene	**0.26**		0.023	0.010	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Benzo[a]pyrene	**0.34**		0.023	0.0098	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Benzo[b]fluoranthene	**0.42**		0.023	0.0055	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Benzo[g,h,i]perylene	**0.56**		0.023	0.0049	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Benzo[k]fluoranthene	**0.11**		0.023	0.0068	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Chrysene	**0.28**		0.023	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Dibenz(a,h)anthracene	**0.098**		0.023	0.014	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Dibenzofuran	**0.046**	**J**	0.11	0.042	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
2,4-Dinitrotoluene	ND		0.11	0.067	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
1,4-Dioxane	ND		0.23	0.035	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Fluoranthene	**0.41**		0.023	0.0059	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Fluorene	**0.020**	**J**	0.023	0.0044	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Hexachlorobenzene	ND		0.023	0.0081	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Hexachlorobutadiene	ND		0.023	0.0066	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Hexachloroethane	ND		0.11	0.040	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Indeno[1,2,3-cd]pyrene	**0.42**		0.023	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
2-Methylphenol	ND		0.11	0.032	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Methylphenol, 3 & 4	ND		0.11	0.033	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Naphthalene	**0.27**		0.023	0.0044	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Nitrobenzene	ND		0.23	0.041	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Pentachlorophenol	ND		0.57	0.18	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Phenanthrene	**0.18**		0.023	0.0061	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Phenol	ND		0.11	0.034	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Pyrene	**0.38**		0.023	0.0053	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
Pyridine	ND		0.23	0.061	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
2,4,5-Trichlorophenol	ND		0.11	0.039	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3
2,4,6-Trichlorophenol	ND		0.11	0.038	mg/Kg	☼	03/01/22 14:46	03/02/22 16:54	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*76*		*35 - 105*	*03/01/22 14:46*	*03/02/22 16:54*	*3*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*03/01/22 14:46*	*03/02/22 16:54*	*3*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*	*03/01/22 14:46*	*03/02/22 16:54*	*3*
Phenol-d5 (Surr)	*64*		*34 - 105*	*03/01/22 14:46*	*03/02/22 16:54*	*3*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*03/01/22 14:46*	*03/02/22 16:54*	*3*

Client Sample ID: SSHS-IRM5A2-A2-A84C
Lab Sample ID: 180-134308-18
Date Collected: 02/25/22 13:30 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 88.2**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*03/01/22 14:46*	*03/02/22 16:54*	*3*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1221	ND		0.019	0.0067	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1242	ND		0.019	0.0028	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1248	ND		0.019	0.0045	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1254	**0.15**		0.019	0.0057	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1260	ND		0.019	0.0054	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/28/22 09:00	03/01/22 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*02/28/22 09:00*	*03/01/22 13:07*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*02/28/22 09:00*	*03/01/22 13:07*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*02/28/22 09:00*	*03/01/22 13:07*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*02/28/22 09:00*	*03/01/22 13:07*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		0.74	0.46	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Barium	**37**		15	2.6	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Beryllium	**0.28**	**J**	0.30	0.081	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Cadmium	**0.079**	**J**	0.37	0.054	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Chromium	**7.5**		0.37	0.34	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Copper	**21**		1.9	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Lead	**9.9**		0.74	0.65	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Manganese	**330**		1.1	0.21	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Nickel	**14**		3.0	0.37	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Selenium	ND	^+	0.74	0.34	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Silver	ND		0.37	0.077	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1
Zinc	**46**		1.5	0.88	mg/Kg	☼	02/28/22 16:17	03/01/22 11:23	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**		0.034	0.022	mg/Kg	☼	03/03/22 14:42	03/04/22 07:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.8**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**88.2**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	03/03/22 11:54	03/04/22 16:39	1
Cyanide, Total	ND		0.47	0.36	mg/Kg	☼	03/01/22 10:30	03/01/22 18:21	1

Client Sample ID: SSHS-IRM5A2-A2-A85A

Lab Sample ID: 180-134308-19

Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 85.0

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0046	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Benzene	ND		0.0058	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
2-Butanone (MEK)	ND		0.0058	0.0030	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Carbon tetrachloride	ND		0.0058	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Chlorobenzene	ND		0.0058	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Chloroform	ND		0.0058	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
cis-1,2-Dichloroethene	ND		0.0058	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,2-Dichlorobenzene	ND		0.0058	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,3-Dichlorobenzene	ND		0.0058	0.0036	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,4-Dichlorobenzene	ND		0.0058	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,1-Dichloroethane	ND		0.0058	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,2-Dichloroethane	ND		0.0058	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,1-Dichloroethene	ND		0.0058	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,4-Dioxane	ND		1.2	0.041	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Ethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Methylene Chloride	ND		0.0058	0.0053	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Methyl tert-butyl ether	ND		0.0058	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
n-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
N-Propylbenzene	ND		0.0058	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
sec-Butylbenzene	ND		0.0058	0.0029	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
tert-Butylbenzene	ND		0.0058	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Tetrachloroethene	ND		0.0058	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Toluene	ND		0.0058	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
trans-1,2-Dichloroethene	ND		0.0058	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,1,1-Trichloroethane	ND		0.0058	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Trichloroethene	ND		0.0058	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,2,4-Trimethylbenzene	ND		0.0058	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
1,3,5-Trimethylbenzene	ND		0.0058	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Vinyl chloride	ND		0.0058	0.0042	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1
Xylenes, Total	ND		0.012	0.0084	mg/Kg	☼	02/28/22 06:00	02/28/22 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*02/28/22 06:00*	*02/28/22 14:32*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*02/28/22 06:00*	*02/28/22 14:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*02/28/22 06:00*	*02/28/22 14:32*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*02/28/22 06:00*	*02/28/22 14:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.0**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**85.0**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A85B

Lab Sample ID: 180-134308-20

Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 94.1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1

Client Sample ID: SSHS-IRM5A2-A2-A85B
Lab Sample ID: 180-134308-20
Date Collected: 02/25/22 13:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 94.1**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	02/28/22 06:00	02/28/22 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*02/28/22 06:00*	*02/28/22 14:56*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*02/28/22 06:00*	*02/28/22 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*02/28/22 06:00*	*02/28/22 14:56*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/28/22 06:00*	*02/28/22 14:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**94.1**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A85C
Lab Sample ID: 180-134308-21
Date Collected: 02/25/22 13:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.015	0.0043	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Acenaphthylene	**0.20**		0.015	0.0033	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Anthracene	**0.14**		0.015	0.0039	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Benzo[a]anthracene	**0.49**		0.015	0.0067	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2

Client Sample ID: SSHS-IRM5A2-A2-A85C **Lab Sample ID: 180-134308-21**
Date Collected: 02/25/22 13:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.52**		0.015	0.0065	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Benzo[b]fluoranthene	**0.62**		0.015	0.0037	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Benzo[g,h,i]perylene	**0.69**		0.015	0.0032	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Benzo[k]fluoranthene	**0.21**		0.015	0.0045	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Chrysene	**0.43**		0.015	0.0083	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Dibenz(a,h)anthracene	**0.15**		0.015	0.0095	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Dibenzofuran	**0.043**	**J**	0.074	0.027	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
2,4-Dinitrotoluene	ND		0.074	0.044	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
1,4-Dioxane	ND		0.15	0.023	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Fluoranthene	**0.85**		0.015	0.0039	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Fluorene	**0.019**		0.015	0.0029	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Hexachlorobenzene	ND		0.015	0.0053	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Hexachlorobutadiene	ND		0.015	0.0044	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Hexachloroethane	ND		0.074	0.026	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Indeno[1,2,3-cd]pyrene	**0.59**		0.015	0.0074	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
2-Methylphenol	ND		0.074	0.021	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Methylphenol, 3 & 4	ND		0.074	0.022	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Naphthalene	**0.25**		0.015	0.0029	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Nitrobenzene	ND		0.15	0.027	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Pentachlorophenol	ND		0.38	0.12	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Phenanthrene	**0.22**		0.015	0.0040	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Phenol	ND		0.074	0.023	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Pyrene	**0.67**		0.015	0.0035	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
Pyridine	ND		0.15	0.040	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
2,4,5-Trichlorophenol	ND		0.074	0.026	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2
2,4,6-Trichlorophenol	ND		0.074	0.025	mg/Kg	☼	03/01/22 14:46	03/02/22 17:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*03/01/22 14:46*	*03/02/22 17:17*	*2*
2-Fluorophenol (Surr)	*52*		*32 - 105*	*03/01/22 14:46*	*03/02/22 17:17*	*2*
Nitrobenzene-d5 (Surr)	*62*		*34 - 109*	*03/01/22 14:46*	*03/02/22 17:17*	*2*
Phenol-d5 (Surr)	*54*		*34 - 105*	*03/01/22 14:46*	*03/02/22 17:17*	*2*
Terphenyl-d14 (Surr)	*59*		*20 - 117*	*03/01/22 14:46*	*03/02/22 17:17*	*2*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*03/01/22 14:46*	*03/02/22 17:17*	*2*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1248	**3.2**		0.019	0.0045	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1254	**0.83**		0.019	0.0056	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1260	**0.24**		0.019	0.0053	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/28/22 09:00	03/01/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*02/28/22 09:00*	*03/01/22 14:04*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*02/28/22 09:00*	*03/01/22 14:04*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A85C — Lab Sample ID: 180-134308-21

Date Collected: 02/25/22 13:50 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 89.0**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*02/28/22 09:00*	*03/01/22 14:04*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*02/28/22 09:00*	*03/01/22 14:04*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		0.90	0.56	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Barium	**50**		18	3.2	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Beryllium	**0.31**	**J**	0.36	0.098	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Cadmium	**0.088**	**J**	0.45	0.066	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Chromium	**7.8**		0.45	0.41	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Copper	**24**		2.2	1.4	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Lead	**17**		0.90	0.78	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Manganese	**340**		1.3	0.25	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Nickel	**16**		3.6	0.45	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Selenium	**0.42**	**J ^+**	0.90	0.41	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Silver	ND		0.45	0.094	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1
Zinc	**50**		1.8	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 11:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**		0.028	0.018	mg/Kg	☼	03/03/22 14:42	03/04/22 07:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**89.0**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	**0.27**	**J**	0.45	0.24	mg/Kg	☼	03/03/22 11:54	03/04/22 16:40	1
Cyanide, Total	ND		0.45	0.34	mg/Kg	☼	03/01/22 10:30	03/01/22 18:23	1

Client Sample ID: SSHS-IRM5A2-A2-A86A — Lab Sample ID: 180-134308-22

Date Collected: 02/25/22 15:30 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 93.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1

Client Sample ID: SSHS-IRM5A2-A2-A86A
Lab Sample ID: 180-134308-22
Date Collected: 02/25/22 15:30 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 93.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	02/28/22 06:00	02/28/22 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*02/28/22 06:00*	*02/28/22 15:20*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*02/28/22 06:00*	*02/28/22 15:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*02/28/22 06:00*	*02/28/22 15:20*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/28/22 06:00*	*02/28/22 15:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.7**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**93.3**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A86B
Lab Sample ID: 180-134308-23
Date Collected: 02/25/22 15:30 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 90.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1

Client Sample ID: SSHS-IRM5A2-A2-A86B
Lab Sample ID: 180-134308-23

Date Collected: 02/25/22 15:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 90.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	02/28/22 06:00	02/28/22 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*02/28/22 06:00*	*02/28/22 15:42*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*02/28/22 06:00*	*02/28/22 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*02/28/22 06:00*	*02/28/22 15:42*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*02/28/22 06:00*	*02/28/22 15:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.1**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**90.9**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A86C
Lab Sample ID: 180-134308-24

Date Collected: 02/25/22 15:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.021**	**J**	0.037	0.010	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Acenaphthylene	**0.28**		0.037	0.0080	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Anthracene	**0.23**		0.037	0.0094	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Benzo[a]anthracene	**0.44**		0.037	0.016	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Benzo[a]pyrene	**0.55**		0.037	0.016	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Benzo[b]fluoranthene	**0.64**		0.037	0.0089	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Benzo[g,h,i]perylene	**0.89**		0.037	0.0079	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Benzo[k]fluoranthene	**0.25**		0.037	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Chrysene	**0.45**		0.037	0.020	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Dibenz(a,h)anthracene	**0.16**		0.037	0.023	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Dibenzofuran	**0.085**	**J**	0.18	0.067	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
2,4-Dinitrotoluene	ND		0.18	0.11	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
1,4-Dioxane	ND		0.36	0.057	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Fluoranthene	**0.90**		0.037	0.0096	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Fluorene	**0.068**		0.037	0.0071	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Hexachlorobenzene	ND		0.037	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Hexachlorobutadiene	ND		0.037	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Hexachloroethane	ND		0.18	0.064	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Indeno[1,2,3-cd]pyrene	**0.70**		0.037	0.018	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5

Client Sample ID: SSHS-IRM5A2-A2-A86C
Date Collected: 02/25/22 15:30
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-24
Matrix: Solid
Percent Solids: 89.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.18	0.052	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Methylphenol, 3 & 4	ND		0.18	0.053	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Naphthalene	**0.34**		0.037	0.0071	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Nitrobenzene	ND		0.36	0.067	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Pentachlorophenol	ND		0.93	0.29	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Phenanthrene	**0.58**		0.037	0.0098	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Phenol	ND		0.18	0.055	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Pyrene	**0.73**		0.037	0.0086	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
Pyridine	ND		0.37	0.098	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
2,4,5-Trichlorophenol	ND		0.18	0.063	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5
2,4,6-Trichlorophenol	ND		0.18	0.061	mg/Kg	☼	03/01/22 14:46	03/02/22 17:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*03/01/22 14:46*	*03/02/22 17:39*	*5*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*03/01/22 14:46*	*03/02/22 17:39*	*5*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*	*03/01/22 14:46*	*03/02/22 17:39*	*5*
Phenol-d5 (Surr)	*75*		*34 - 105*	*03/01/22 14:46*	*03/02/22 17:39*	*5*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*03/01/22 14:46*	*03/02/22 17:39*	*5*
2,4,6-Tribromophenol (Surr)	*91*		*20 - 119*	*03/01/22 14:46*	*03/02/22 17:39*	*5*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1232	ND		0.019	0.0045	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1248	**0.27**		0.019	0.0045	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1254	**0.079**		0.019	0.0056	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1260	**0.033**		0.019	0.0053	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/28/22 09:00	03/01/22 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*02/28/22 09:00*	*03/01/22 14:22*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*02/28/22 09:00*	*03/01/22 14:22*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*02/28/22 09:00*	*03/01/22 14:22*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*02/28/22 09:00*	*03/01/22 14:22*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.2**		3.8	2.4	mg/Kg	☼	02/28/22 16:17	03/01/22 13:21	5
Barium	**150**		15	2.7	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Beryllium	**0.30**	**J**	0.31	0.084	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Cadmium	**0.25**	**J**	0.38	0.056	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Chromium	**8.1**		0.38	0.35	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Copper	**24**		1.9	1.2	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Lead	**13**		0.77	0.67	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Manganese	**3700**		5.8	1.1	mg/Kg	☼	02/28/22 16:17	03/01/22 13:21	5
Nickel	**16**		3.1	0.39	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1
Selenium	ND	^+	3.8	1.8	mg/Kg	☼	02/28/22 16:17	03/01/22 13:21	5

Client Sample ID: SSHS-IRM5A2-A2-A86C
Lab Sample ID: 180-134308-24
Date Collected: 02/25/22 15:30 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 89.3**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.9	0.40	mg/Kg	☼	02/28/22 16:17	03/01/22 13:21	5
Zinc	**64**		1.5	0.91	mg/Kg	☼	02/28/22 16:17	03/01/22 11:32	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.027	0.017	mg/Kg	☼	03/03/22 14:42	03/04/22 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.7**		0.1	0.1	%			03/01/22 13:28	1
Percent Solids	**89.3**		0.1	0.1	%			03/01/22 13:28	1
Hexavalent chromium	**0.49**		0.45	0.24	mg/Kg	☼	03/03/22 11:54	03/04/22 16:41	1
Cyanide, Total	ND		0.47	0.35	mg/Kg	☼	03/01/22 10:30	03/01/22 18:25	1

Client Sample ID: SSHS-IRM5A2-A2-A87A
Lab Sample ID: 180-134308-25
Date Collected: 02/25/22 15:40 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 91.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	02/28/22 06:00	02/28/22 16:05	1

Client Sample ID: SSHS-IRM5A2-A2-A87A
Lab Sample ID: 180-134308-25

Date Collected: 02/25/22 15:40 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 91.5**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*02/28/22 06:00*	*02/28/22 16:05*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*02/28/22 06:00*	*02/28/22 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*02/28/22 06:00*	*02/28/22 16:05*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*02/28/22 06:00*	*02/28/22 16:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**91.5**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A87B
Lab Sample ID: 180-134308-26

Date Collected: 02/25/22 15:40 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 91.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0045	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
2-Butanone (MEK)	ND		0.0057	0.0029	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Methylene Chloride	ND		0.0057	0.0052	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Trichloroethene	ND		0.0057	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Vinyl chloride	ND		0.0057	0.0041	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1
Xylenes, Total	ND		0.011	0.0082	mg/Kg	☼	03/01/22 06:00	03/01/22 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*03/01/22 06:00*	*03/01/22 09:39*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*03/01/22 06:00*	*03/01/22 09:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*03/01/22 06:00*	*03/01/22 09:39*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A87B — Lab Sample ID: 180-134308-26

Date Collected: 02/25/22 15:40 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 91.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*104*		*67 - 134*	*03/01/22 06:00*	*03/01/22 09:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**91.0**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A87C — Lab Sample ID: 180-134308-27

Date Collected: 02/25/22 15:40 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 92.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Acenaphthylene	**0.0090**		0.0072	0.0016	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Anthracene	**0.0092**		0.0072	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Benzo[a]anthracene	**0.031**		0.0072	0.0032	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Benzo[a]pyrene	**0.031**		0.0072	0.0031	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Benzo[b]fluoranthene	**0.031**		0.0072	0.0018	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Benzo[g,h,i]perylene	**0.027**		0.0072	0.0015	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Benzo[k]fluoranthene	**0.014**		0.0072	0.0022	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Chrysene	**0.022**		0.0072	0.0040	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Dibenz(a,h)anthracene	**0.0062**	**J**	0.0072	0.0046	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Fluoranthene	**0.059**		0.0072	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Fluorene	**0.0015**	**J**	0.0072	0.0014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Indeno[1,2,3-cd]pyrene	**0.024**		0.0072	0.0036	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Naphthalene	**0.0018**	**J**	0.0072	0.0014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Phenanthrene	**0.014**		0.0072	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Pyrene	**0.046**		0.0072	0.0017	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*74*		*35 - 105*	*03/01/22 14:46*	*03/02/22 18:01*	*1*
2-Fluorophenol (Surr)	*51*		*32 - 105*	*03/01/22 14:46*	*03/02/22 18:01*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*03/01/22 14:46*	*03/02/22 18:01*	*1*
Phenol-d5 (Surr)	*58*		*34 - 105*	*03/01/22 14:46*	*03/02/22 18:01*	*1*
Terphenyl-d14 (Surr)	*73*		*20 - 117*	*03/01/22 14:46*	*03/02/22 18:01*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A87C
Lab Sample ID: 180-134308-27

Date Collected: 02/25/22 15:40 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 92.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*20 - 119*	*03/01/22 14:46*	*03/02/22 18:01*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1254	**0.26**		0.018	0.0054	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	02/28/22 09:00	03/01/22 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*02/28/22 09:00*	*03/01/22 14:41*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*02/28/22 09:00*	*03/01/22 14:41*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*02/28/22 09:00*	*03/01/22 14:41*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*02/28/22 09:00*	*03/01/22 14:41*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.8**		0.65	0.41	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Barium	**33**		13	2.3	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Beryllium	**0.20**	**J**	0.26	0.071	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Cadmium	**0.099**	**J**	0.33	0.048	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Chromium	**5.9**		0.33	0.30	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Copper	**17**		1.6	0.98	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Lead	**5.8**		0.65	0.57	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Manganese	**290**		0.98	0.18	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Nickel	**11**		2.6	0.33	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Selenium	**0.77**		0.65	0.30	mg/Kg	☼	02/28/22 16:17	03/02/22 11:00	1
Silver	ND		0.33	0.068	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1
Zinc	**39**		1.3	0.78	mg/Kg	☼	02/28/22 16:17	03/01/22 11:36	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	03/03/22 14:42	03/04/22 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.1	0.1	%			03/01/22 14:02	1
Percent Solids	**92.4**		0.1	0.1	%			03/01/22 14:02	1
Hexavalent chromium	ND		0.42	0.23	mg/Kg	☼	03/03/22 11:54	03/04/22 16:41	1
Cyanide, Total	ND		0.39	0.29	mg/Kg	☼	03/01/22 14:15	03/01/22 18:49	1

Client Sample ID: SSHS-IRM5A2-A2-A88A

Lab Sample ID: 180-134308-28
Date Collected: 02/25/22 15:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.0

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	02/28/22 06:00	02/28/22 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*02/28/22 06:00*	*02/28/22 16:53*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*02/28/22 06:00*	*02/28/22 16:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*02/28/22 06:00*	*02/28/22 16:53*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*02/28/22 06:00*	*02/28/22 16:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**92.0**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A88B

Lab Sample ID: 180-134308-29
Date Collected: 02/25/22 15:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 94.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1

Client Sample ID: SSHS-IRM5A2-A2-A88B
Lab Sample ID: 180-134308-29
Date Collected: 02/25/22 15:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 94.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Vinyl chloride	ND		0.0055	0.0040	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	03/01/22 06:00	03/01/22 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*03/01/22 06:00*	*03/01/22 10:03*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*03/01/22 06:00*	*03/01/22 10:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*03/01/22 06:00*	*03/01/22 10:03*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*03/01/22 06:00*	*03/01/22 10:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**94.3**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-A88C
Lab Sample ID: 180-134308-30
Date Collected: 02/25/22 15:50 **Matrix: Solid**
Date Received: 02/26/22 13:15 **Percent Solids: 91.8**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Acenaphthylene	**0.0029**	**J**	0.0072	0.0016	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Anthracene	**0.0028**	**J**	0.0072	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Benzo[a]anthracene	**0.0057**	**J**	0.0072	0.0032	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1

Client Sample ID: SSHS-IRM5A2-A2-A88C
Date Collected: 02/25/22 15:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-30
Matrix: Solid
Percent Solids: 91.8

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0045**	**J**	0.0072	0.0031	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Benzo[b]fluoranthene	**0.0068**	**J**	0.0072	0.0018	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Benzo[g,h,i]perylene	**0.010**		0.0072	0.0015	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Benzo[k]fluoranthene	ND		0.0072	0.0022	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Chrysene	**0.0062**	**J**	0.0072	0.0040	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Fluoranthene	**0.0071**	**J**	0.0072	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Indeno[1,2,3-cd]pyrene	**0.0063**	**J**	0.0072	0.0036	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Naphthalene	ND		0.0072	0.0014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Phenanthrene	**0.0039**	**J**	0.0072	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Pyrene	**0.0061**	**J**	0.0072	0.0017	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*03/01/22 14:46*	*03/02/22 18:24*	*1*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*03/01/22 14:46*	*03/02/22 18:24*	*1*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*	*03/01/22 14:46*	*03/02/22 18:24*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*03/01/22 14:46*	*03/02/22 18:24*	*1*
Terphenyl-d14 (Surr)	*79*		*20 - 117*	*03/01/22 14:46*	*03/02/22 18:24*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*	*03/01/22 14:46*	*03/02/22 18:24*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1254	**0.51**		0.018	0.0054	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	02/28/22 09:00	03/01/22 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*02/28/22 09:00*	*03/01/22 15:00*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*02/28/22 09:00*	*03/01/22 15:00*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A88C — Lab Sample ID: 180-134308-30

Date Collected: 02/25/22 15:50 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 91.8**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*02/28/22 09:00*	*03/01/22 15:00*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/28/22 09:00*	*03/01/22 15:00*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.3**		0.83	0.52	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Barium	**43**		17	3.0	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Beryllium	**0.23**	**J**	0.33	0.091	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Cadmium	**0.096**	**J**	0.42	0.061	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Chromium	**6.2**		0.42	0.38	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Copper	**21**		2.1	1.3	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Lead	**6.4**		0.83	0.72	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Manganese	**510**		1.2	0.23	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Nickel	**13**		3.3	0.42	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Selenium	ND	^+	0.83	0.38	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Silver	ND		0.42	0.087	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1
Zinc	**43**		1.7	0.99	mg/Kg	☼	02/28/22 16:17	03/01/22 11:41	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	03/03/22 14:42	03/04/22 07:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.1	0.1	%			03/01/22 14:02	1
Percent Solids	**91.8**		0.1	0.1	%			03/01/22 14:02	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/03/22 11:54	03/04/22 16:42	1
Cyanide, Total	ND		0.40	0.31	mg/Kg	☼	03/01/22 14:15	03/01/22 18:50	1

Client Sample ID: SSHS-IRM5A2-A2-DUP14A — Lab Sample ID: 180-134308-31

Date Collected: 02/25/22 00:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 93.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1

Client Sample ID: SSHS-IRM5A2-A2-DUP14A — Lab Sample ID: 180-134308-31

Date Collected: 02/25/22 00:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 93.7**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/01/22 06:00	03/01/22 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*03/01/22 06:00*	*03/01/22 10:26*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*03/01/22 06:00*	*03/01/22 10:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*03/01/22 06:00*	*03/01/22 10:26*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*03/01/22 06:00*	*03/01/22 10:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.3**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**93.7**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-DUP14B — Lab Sample ID: 180-134308-32

Date Collected: 02/25/22 00:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 92.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.023	0.0044	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1

Client Sample ID: SSHS-IRM5A2-A2-DUP14B — Lab Sample ID: 180-134308-32

Date Collected: 02/25/22 00:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 92.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Vinyl chloride	ND		0.0056	0.0041	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	03/01/22 06:00	03/01/22 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*03/01/22 06:00*	*03/01/22 10:49*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*03/01/22 06:00*	*03/01/22 10:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*03/01/22 06:00*	*03/01/22 10:49*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*03/01/22 06:00*	*03/01/22 10:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		0.1	0.1	%			02/28/22 13:07	1
Percent Solids	**92.9**		0.1	0.1	%			02/28/22 13:07	1

Client Sample ID: SSHS-IRM5A2-A2-DUP14C — Lab Sample ID: 180-134308-33

Date Collected: 02/25/22 00:00 — **Matrix: Solid**
Date Received: 02/26/22 13:15 — **Percent Solids: 89.0**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0062**	**J**	0.0074	0.0021	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Acenaphthylene	**0.071**		0.0074	0.0016	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Anthracene	**0.099**		0.0074	0.0019	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Benzo[a]anthracene	**0.17**		0.0074	0.0033	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Benzo[a]pyrene	**0.28**	***3**	0.0074	0.0032	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Benzo[b]fluoranthene	**0.36**	***3**	0.0074	0.0018	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Benzo[g,h,i]perylene	**0.36**	***3**	0.0074	0.0016	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Benzo[k]fluoranthene	**0.13**	***3**	0.0074	0.0022	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Chrysene	**0.16**		0.0074	0.0041	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Dibenz(a,h)anthracene	**0.082**	***3**	0.0074	0.0047	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Dibenzofuran	**0.019**	**J**	0.037	0.014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
2,4-Dinitrotoluene	ND		0.037	0.022	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
1,4-Dioxane	ND		0.074	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Fluoranthene	**0.42**		0.0074	0.0020	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Fluorene	**0.015**		0.0074	0.0015	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Hexachlorobenzene	ND		0.0074	0.0026	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Hexachlorobutadiene	ND		0.0074	0.0022	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Hexachloroethane	ND		0.037	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Indeno[1,2,3-cd]pyrene	**0.28**	***3**	0.0074	0.0037	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1

Client Sample ID: SSHS-IRM5A2-A2-DUP14C
Date Collected: 02/25/22 00:00
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-33
Matrix: Solid
Percent Solids: 89.0

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.037	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Methylphenol, 3 & 4	**0.015**	**J**	0.037	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Naphthalene	**0.037**		0.0074	0.0014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Nitrobenzene	ND		0.074	0.014	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Pentachlorophenol	**0.060**	**J**	0.19	0.059	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Phenanthrene	**0.29**		0.0074	0.0020	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Phenol	ND		0.037	0.011	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Pyrene	**0.25**		0.0074	0.0018	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
Pyridine	ND		0.074	0.020	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
2,4,5-Trichlorophenol	ND		0.037	0.013	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1
2,4,6-Trichlorophenol	ND		0.037	0.012	mg/Kg	☼	03/01/22 14:46	03/02/22 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*03/01/22 14:46*	*03/02/22 18:46*	*1*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*03/01/22 14:46*	*03/02/22 18:46*	*1*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*	*03/01/22 14:46*	*03/02/22 18:46*	*1*
Phenol-d5 (Surr)	*57*		*34 - 105*	*03/01/22 14:46*	*03/02/22 18:46*	*1*
Terphenyl-d14 (Surr)	*61*		*20 - 117*	*03/01/22 14:46*	*03/02/22 18:46*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 119*	*03/01/22 14:46*	*03/02/22 18:46*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.019	0.0061	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1221	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1232	ND		0.019	0.0046	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1242	ND		0.019	0.0027	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1248	**1.0**		0.019	0.0045	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1254	**0.31**		0.019	0.0056	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1260	**0.096**		0.019	0.0053	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1262	ND		0.019	0.0066	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1
PCB-1268	ND		0.019	0.0025	mg/Kg	☼	02/28/22 09:00	03/01/22 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*02/28/22 09:00*	*03/01/22 15:19*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*02/28/22 09:00*	*03/01/22 15:19*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*02/28/22 09:00*	*03/01/22 15:19*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*02/28/22 09:00*	*03/01/22 15:19*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.9**		0.79	0.50	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Barium	**46**		16	2.8	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Beryllium	**0.29**	**J**	0.32	0.086	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Cadmium	**0.078**	**J**	0.40	0.058	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Chromium	**8.1**		0.40	0.36	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Copper	**18**		2.0	1.2	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Lead	**9.2**		0.79	0.69	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Manganese	**320**		1.2	0.22	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Nickel	**14**		3.2	0.40	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Selenium	**0.40**	**J ^+**	0.79	0.36	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Client Sample ID: SSHS-IRM5A2-A2-DUP14C
Date Collected: 02/25/22 00:00
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-33
Matrix: Solid
Percent Solids: 89.0

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.40	0.082	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1
Zinc	**45**		1.6	0.94	mg/Kg	☼	02/28/22 16:17	03/01/22 11:46	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.036	0.023	mg/Kg	☼	03/03/22 14:42	03/04/22 07:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.0**		0.1	0.1	%			03/01/22 14:02	1
Percent Solids	**89.0**		0.1	0.1	%			03/01/22 14:02	1
Hexavalent chromium	**0.38**	**J**	0.45	0.24	mg/Kg	☼	03/03/22 11:54	03/04/22 16:43	1
Cyanide, Total	**0.39**	**J**	0.47	0.36	mg/Kg	☼	03/01/22 14:15	03/01/22 18:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-389721/5
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			02/28/22 08:42	1
Benzene	ND		0.0050	0.0014	mg/Kg			02/28/22 08:42	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			02/28/22 08:42	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			02/28/22 08:42	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			02/28/22 08:42	1
Chloroform	ND		0.0050	0.0016	mg/Kg			02/28/22 08:42	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			02/28/22 08:42	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			02/28/22 08:42	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			02/28/22 08:42	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			02/28/22 08:42	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			02/28/22 08:42	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			02/28/22 08:42	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			02/28/22 08:42	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			02/28/22 08:42	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			02/28/22 08:42	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			02/28/22 08:42	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			02/28/22 08:42	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/28/22 08:42	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			02/28/22 08:42	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			02/28/22 08:42	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			02/28/22 08:42	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			02/28/22 08:42	1
Toluene	ND		0.0050	0.0014	mg/Kg			02/28/22 08:42	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			02/28/22 08:42	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			02/28/22 08:42	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			02/28/22 08:42	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			02/28/22 08:42	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			02/28/22 08:42	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			02/28/22 08:42	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			02/28/22 08:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*02/28/22 08:42*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*		*02/28/22 08:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*		*02/28/22 08:42*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*02/28/22 08:42*	*1*

Lab Sample ID: LCS 180-389721/3
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0422		mg/Kg		105	23 - 170
Benzene	0.0400	0.0440		mg/Kg		110	77 - 120
2-Butanone (MEK)	0.0400	0.0387		mg/Kg		97	39 - 157
Carbon tetrachloride	0.0400	0.0464		mg/Kg		116	73 - 130
Chlorobenzene	0.0400	0.0421		mg/Kg		105	79 - 122
Chloroform	0.0400	0.0418		mg/Kg		104	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-389721/3
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0430		mg/Kg		107	77 - 118
1,2-Dichlorobenzene	0.0400	0.0419		mg/Kg		105	76 - 120
1,3-Dichlorobenzene	0.0400	0.0430		mg/Kg		108	77 - 121
1,4-Dichlorobenzene	0.0400	0.0424		mg/Kg		106	79 - 120
1,1-Dichloroethane	0.0400	0.0422		mg/Kg		105	73 - 124
1,2-Dichloroethane	0.0400	0.0412		mg/Kg		103	64 - 140
1,1-Dichloroethene	0.0400	0.0424		mg/Kg		106	55 - 136
1,4-Dioxane	0.800	0.883	J	mg/Kg		110	18 - 166
Ethylbenzene	0.0400	0.0430		mg/Kg		107	79 - 119
Methylene Chloride	0.0400	0.0401		mg/Kg		100	67 - 131
Methyl tert-butyl ether	0.0400	0.0409		mg/Kg		102	58 - 132
n-Butylbenzene	0.0400	0.0430		mg/Kg		107	64 - 136
N-Propylbenzene	0.0400	0.0442		mg/Kg		111	71 - 127
sec-Butylbenzene	0.0400	0.0430		mg/Kg		107	65 - 130
tert-Butylbenzene	0.0400	0.0447		mg/Kg		112	69 - 133
Tetrachloroethene	0.0400	0.0419		mg/Kg		105	71 - 121
Toluene	0.0400	0.0394		mg/Kg		98	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0425		mg/Kg		106	75 - 122
1,1,1-Trichloroethane	0.0400	0.0447		mg/Kg		112	72 - 134
Trichloroethene	0.0400	0.0454		mg/Kg		113	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0419		mg/Kg		105	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0418		mg/Kg		104	69 - 131
Vinyl chloride	0.0400	0.0428		mg/Kg		107	64 - 134
Xylenes, Total	0.0800	0.0866		mg/Kg		108	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*
Dibromofluoromethane (Surr)	*112*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: 180-134308-1 MS
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: SSHS-IRM5A2-A2-A79A
Prep Type: Total/NA
Prep Batch: 389728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0466	0.0464		mg/Kg	☼	100	23 - 170
Benzene	ND		0.0466	0.0501		mg/Kg	☼	108	77 - 120
2-Butanone (MEK)	ND		0.0466	0.0466		mg/Kg	☼	100	39 - 157
Carbon tetrachloride	ND		0.0466	0.0521		mg/Kg	☼	112	73 - 130
Chlorobenzene	ND		0.0466	0.0514		mg/Kg	☼	110	79 - 122
Chloroform	ND		0.0466	0.0472		mg/Kg	☼	101	73 - 126
cis-1,2-Dichloroethene	ND		0.0466	0.0491		mg/Kg	☼	105	77 - 118
1,2-Dichlorobenzene	ND		0.0466	0.0514		mg/Kg	☼	110	76 - 120
1,3-Dichlorobenzene	ND		0.0466	0.0515		mg/Kg	☼	111	77 - 121
1,4-Dichlorobenzene	ND		0.0466	0.0516		mg/Kg	☼	111	79 - 120
1,1-Dichloroethane	ND		0.0466	0.0485		mg/Kg	☼	104	73 - 124
1,2-Dichloroethane	ND		0.0466	0.0467		mg/Kg	☼	100	64 - 140

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-134308-1 MS
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: SSHS-IRM5A2-A2-A79A
Prep Type: Total/NA
Prep Batch: 389728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		0.0466	0.0475		mg/Kg	☼	102	55 - 136
1,4-Dioxane	ND		0.931	0.994	J	mg/Kg	☼	107	18 - 166
Ethylbenzene	ND		0.0466	0.0525		mg/Kg	☼	113	79 - 119
Methylene Chloride	ND		0.0466	0.0461		mg/Kg	☼	99	67 - 131
Methyl tert-butyl ether	ND		0.0466	0.0484		mg/Kg	☼	104	58 - 132
n-Butylbenzene	ND		0.0466	0.0523		mg/Kg	☼	112	64 - 136
N-Propylbenzene	ND		0.0466	0.0526		mg/Kg	☼	113	71 - 127
sec-Butylbenzene	ND		0.0466	0.0516		mg/Kg	☼	111	65 - 130
tert-Butylbenzene	ND		0.0466	0.0536		mg/Kg	☼	115	69 - 133
Tetrachloroethene	ND		0.0466	0.0512		mg/Kg	☼	110	71 - 121
Toluene	ND		0.0466	0.0481		mg/Kg	☼	103	76 - 120
trans-1,2-Dichloroethene	ND		0.0466	0.0474		mg/Kg	☼	102	75 - 122
1,1,1-Trichloroethane	ND		0.0466	0.0513		mg/Kg	☼	110	72 - 134
Trichloroethene	ND		0.0466	0.0503		mg/Kg	☼	108	69 - 118
1,2,4-Trimethylbenzene	ND		0.0466	0.0499		mg/Kg	☼	107	74 - 127
1,3,5-Trimethylbenzene	ND		0.0466	0.0505		mg/Kg	☼	108	69 - 131
Vinyl chloride	ND		0.0466	0.0426		mg/Kg	☼	92	64 - 134
Xylenes, Total	ND		0.0931	0.105		mg/Kg	☼	112	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: 180-134308-1 MSD
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: SSHS-IRM5A2-A2-A79A
Prep Type: Total/NA
Prep Batch: 389728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0453	0.0473		mg/Kg	☼	104	23 - 170	2	35
Benzene	ND		0.0453	0.0490		mg/Kg	☼	108	77 - 120	2	20
2-Butanone (MEK)	ND		0.0453	0.0452		mg/Kg	☼	100	39 - 157	3	33
Carbon tetrachloride	ND		0.0453	0.0506		mg/Kg	☼	112	73 - 130	3	21
Chlorobenzene	ND		0.0453	0.0505		mg/Kg	☼	112	79 - 122	2	20
Chloroform	ND		0.0453	0.0460		mg/Kg	☼	102	73 - 126	3	20
cis-1,2-Dichloroethene	ND		0.0453	0.0477		mg/Kg	☼	105	77 - 118	3	20
1,2-Dichlorobenzene	ND		0.0453	0.0505		mg/Kg	☼	112	76 - 120	2	20
1,3-Dichlorobenzene	ND		0.0453	0.0514		mg/Kg	☼	114	77 - 121	0	20
1,4-Dichlorobenzene	ND		0.0453	0.0511		mg/Kg	☼	113	79 - 120	1	20
1,1-Dichloroethane	ND		0.0453	0.0471		mg/Kg	☼	104	73 - 124	3	20
1,2-Dichloroethane	ND		0.0453	0.0466		mg/Kg	☼	103	64 - 140	0	20
1,1-Dichloroethene	ND		0.0453	0.0435		mg/Kg	☼	96	55 - 136	9	21
1,4-Dioxane	ND		0.905	0.960	J	mg/Kg	☼	106	18 - 166	3	40
Ethylbenzene	ND		0.0453	0.0509		mg/Kg	☼	112	79 - 119	3	20
Methylene Chloride	ND		0.0453	0.0451		mg/Kg	☼	100	67 - 131	2	32
Methyl tert-butyl ether	ND		0.0453	0.0466		mg/Kg	☼	103	58 - 132	4	24
n-Butylbenzene	ND		0.0453	0.0506		mg/Kg	☼	112	64 - 136	3	21

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-134308-1 MSD
Matrix: Solid
Analysis Batch: 389721

Client Sample ID: SSHS-IRM5A2-A2-A79A
Prep Type: Total/NA
Prep Batch: 389728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND		0.0453	0.0530		mg/Kg	☼	117	71 - 127	1	20
sec-Butylbenzene	ND		0.0453	0.0506		mg/Kg	☼	112	65 - 130	2	20
tert-Butylbenzene	ND		0.0453	0.0531		mg/Kg	☼	117	69 - 133	1	23
Tetrachloroethene	ND		0.0453	0.0505		mg/Kg	☼	112	71 - 121	1	21
Toluene	ND		0.0453	0.0472		mg/Kg	☼	104	76 - 120	2	20
trans-1,2-Dichloroethene	ND		0.0453	0.0469		mg/Kg	☼	104	75 - 122	1	20
1,1,1-Trichloroethane	ND		0.0453	0.0439		mg/Kg	☼	97	72 - 134	16	20
Trichloroethene	ND		0.0453	0.0494		mg/Kg	☼	109	69 - 118	2	20
1,2,4-Trimethylbenzene	ND		0.0453	0.0494		mg/Kg	☼	109	74 - 127	1	20
1,3,5-Trimethylbenzene	ND		0.0453	0.0496		mg/Kg	☼	110	69 - 131	2	20
Vinyl chloride	ND		0.0453	0.0421		mg/Kg	☼	93	64 - 134	1	23
Xylenes, Total	ND		0.0905	0.103		mg/Kg	☼	113	78 - 118	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*
Dibromofluoromethane (Surr)	*108*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: MB 180-389862/5
Matrix: Solid
Analysis Batch: 389862

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/01/22 08:07	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/01/22 08:07	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/01/22 08:07	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/01/22 08:07	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/01/22 08:07	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/01/22 08:07	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/01/22 08:07	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/01/22 08:07	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/01/22 08:07	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/01/22 08:07	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/01/22 08:07	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/01/22 08:07	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/01/22 08:07	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/01/22 08:07	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/01/22 08:07	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/01/22 08:07	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/01/22 08:07	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/01/22 08:07	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/01/22 08:07	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/01/22 08:07	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/01/22 08:07	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/01/22 08:07	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/01/22 08:07	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/01/22 08:07	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-389862/5
Matrix: Solid
Analysis Batch: 389862

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/01/22 08:07	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/01/22 08:07	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/01/22 08:07	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/01/22 08:07	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/01/22 08:07	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/01/22 08:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*03/01/22 08:07*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*		*03/01/22 08:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*		*03/01/22 08:07*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*03/01/22 08:07*	*1*

Lab Sample ID: LCS 180-389862/3
Matrix: Solid
Analysis Batch: 389862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0439		mg/Kg		110	23 - 170
Benzene	0.0400	0.0448		mg/Kg		112	77 - 120
2-Butanone (MEK)	0.0400	0.0392		mg/Kg		98	39 - 157
Carbon tetrachloride	0.0400	0.0474		mg/Kg		119	73 - 130
Chlorobenzene	0.0400	0.0439		mg/Kg		110	79 - 122
Chloroform	0.0400	0.0426		mg/Kg		107	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0442		mg/Kg		110	77 - 118
1,2-Dichlorobenzene	0.0400	0.0430		mg/Kg		107	76 - 120
1,3-Dichlorobenzene	0.0400	0.0449		mg/Kg		112	77 - 121
1,4-Dichlorobenzene	0.0400	0.0442		mg/Kg		111	79 - 120
1,1-Dichloroethane	0.0400	0.0435		mg/Kg		109	73 - 124
1,2-Dichloroethane	0.0400	0.0415		mg/Kg		104	64 - 140
1,1-Dichloroethene	0.0400	0.0431		mg/Kg		108	55 - 136
1,4-Dioxane	0.800	0.739	J	mg/Kg		92	18 - 166
Ethylbenzene	0.0400	0.0461		mg/Kg		115	79 - 119
Methylene Chloride	0.0400	0.0412		mg/Kg		103	67 - 131
Methyl tert-butyl ether	0.0400	0.0411		mg/Kg		103	58 - 132
n-Butylbenzene	0.0400	0.0458		mg/Kg		114	64 - 136
N-Propylbenzene	0.0400	0.0471		mg/Kg		118	71 - 127
sec-Butylbenzene	0.0400	0.0452		mg/Kg		113	65 - 130
tert-Butylbenzene	0.0400	0.0470		mg/Kg		118	69 - 133
Tetrachloroethene	0.0400	0.0449		mg/Kg		112	71 - 121
Toluene	0.0400	0.0414		mg/Kg		103	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0437		mg/Kg		109	75 - 122
1,1,1-Trichloroethane	0.0400	0.0466		mg/Kg		117	72 - 134
Trichloroethene	0.0400	0.0462		mg/Kg		115	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0433		mg/Kg		108	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0438		mg/Kg		109	69 - 131
Vinyl chloride	0.0400	0.0336		mg/Kg		84	64 - 134
Xylenes, Total	0.0800	0.0908		mg/Kg		114	78 - 118

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-389862/3
Matrix: Solid
Analysis Batch: 389862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: 180-134308-2 MS
Matrix: Solid
Analysis Batch: 389862

Client Sample ID: SSHS-IRM5A2-A2-A79B
Prep Type: Total/NA
Prep Batch: 389870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0440	0.0513		mg/Kg	☼	117	23 - 170
Benzene	ND		0.0440	0.0491		mg/Kg	☼	112	77 - 120
2-Butanone (MEK)	ND		0.0440	0.0479		mg/Kg	☼	109	39 - 157
Carbon tetrachloride	ND		0.0440	0.0508		mg/Kg	☼	116	73 - 130
Chlorobenzene	ND		0.0440	0.0485		mg/Kg	☼	110	79 - 122
Chloroform	ND		0.0440	0.0463		mg/Kg	☼	105	73 - 126
cis-1,2-Dichloroethene	ND		0.0440	0.0481		mg/Kg	☼	110	77 - 118
1,2-Dichlorobenzene	ND		0.0440	0.0483		mg/Kg	☼	110	76 - 120
1,3-Dichlorobenzene	ND		0.0440	0.0484		mg/Kg	☼	110	77 - 121
1,4-Dichlorobenzene	ND		0.0440	0.0485		mg/Kg	☼	110	79 - 120
1,1-Dichloroethane	ND		0.0440	0.0472		mg/Kg	☼	107	73 - 124
1,2-Dichloroethane	ND		0.0440	0.0473		mg/Kg	☼	108	64 - 140
1,1-Dichloroethene	ND		0.0440	0.0454		mg/Kg	☼	103	55 - 136
1,4-Dioxane	ND		0.879	1.02	J	mg/Kg	☼	116	18 - 166
Ethylbenzene	ND		0.0440	0.0498		mg/Kg	☼	113	79 - 119
Methylene Chloride	ND		0.0440	0.0457		mg/Kg	☼	104	67 - 131
Methyl tert-butyl ether	ND		0.0440	0.0472		mg/Kg	☼	107	58 - 132
n-Butylbenzene	ND		0.0440	0.0485		mg/Kg	☼	110	64 - 136
N-Propylbenzene	ND		0.0440	0.0501		mg/Kg	☼	114	71 - 127
sec-Butylbenzene	ND		0.0440	0.0487		mg/Kg	☼	111	65 - 130
tert-Butylbenzene	ND		0.0440	0.0502		mg/Kg	☼	114	69 - 133
Tetrachloroethene	ND		0.0440	0.0485		mg/Kg	☼	110	71 - 121
Toluene	ND		0.0440	0.0460		mg/Kg	☼	105	76 - 120
trans-1,2-Dichloroethene	ND		0.0440	0.0466		mg/Kg	☼	106	75 - 122
1,1,1-Trichloroethane	ND		0.0440	0.0447		mg/Kg	☼	102	72 - 134
Trichloroethene	ND		0.0440	0.0489		mg/Kg	☼	111	69 - 118
1,2,4-Trimethylbenzene	ND		0.0440	0.0475		mg/Kg	☼	108	74 - 127
1,3,5-Trimethylbenzene	ND		0.0440	0.0479		mg/Kg	☼	109	69 - 131
Vinyl chloride	ND		0.0440	0.0381		mg/Kg	☼	87	64 - 134
Xylenes, Total	ND		0.0879	0.0991		mg/Kg	☼	113	78 - 118

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-134308-2 MSD
Matrix: Solid
Analysis Batch: 389862

Client Sample ID: SSHS-IRM5A2-A2-A79B
Prep Type: Total/NA
Prep Batch: 389870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0454	0.0539		mg/Kg	☼	119	23 - 170	5	35
Benzene	ND		0.0454	0.0486		mg/Kg	☼	107	77 - 120	1	20
2-Butanone (MEK)	ND		0.0454	0.0503		mg/Kg	☼	111	39 - 157	5	33
Carbon tetrachloride	ND		0.0454	0.0509		mg/Kg	☼	112	73 - 130	0	21
Chlorobenzene	ND		0.0454	0.0477		mg/Kg	☼	105	79 - 122	2	20
Chloroform	ND		0.0454	0.0466		mg/Kg	☼	103	73 - 126	1	20
cis-1,2-Dichloroethene	ND		0.0454	0.0482		mg/Kg	☼	106	77 - 118	0	20
1,2-Dichlorobenzene	ND		0.0454	0.0472		mg/Kg	☼	104	76 - 120	2	20
1,3-Dichlorobenzene	ND		0.0454	0.0483		mg/Kg	☼	106	77 - 121	0	20
1,4-Dichlorobenzene	ND		0.0454	0.0479		mg/Kg	☼	105	79 - 120	1	20
1,1-Dichloroethane	ND		0.0454	0.0472		mg/Kg	☼	104	73 - 124	0	20
1,2-Dichloroethane	ND		0.0454	0.0471		mg/Kg	☼	104	64 - 140	0	20
1,1-Dichloroethene	ND		0.0454	0.0464		mg/Kg	☼	102	55 - 136	2	21
1,4-Dioxane	ND		0.909	1.01	J	mg/Kg	☼	111	18 - 166	1	40
Ethylbenzene	ND		0.0454	0.0487		mg/Kg	☼	107	79 - 119	2	20
Methylene Chloride	ND		0.0454	0.0456		mg/Kg	☼	100	67 - 131	0	32
Methyl tert-butyl ether	ND		0.0454	0.0485		mg/Kg	☼	107	58 - 132	3	24
n-Butylbenzene	ND		0.0454	0.0479		mg/Kg	☼	105	64 - 136	1	21
N-Propylbenzene	ND		0.0454	0.0491		mg/Kg	☼	108	71 - 127	2	20
sec-Butylbenzene	ND		0.0454	0.0479		mg/Kg	☼	105	65 - 130	2	20
tert-Butylbenzene	ND		0.0454	0.0497		mg/Kg	☼	109	69 - 133	1	23
Tetrachloroethene	ND		0.0454	0.0479		mg/Kg	☼	105	71 - 121	1	21
Toluene	ND		0.0454	0.0445		mg/Kg	☼	98	76 - 120	3	20
trans-1,2-Dichloroethene	ND		0.0454	0.0467		mg/Kg	☼	103	75 - 122	0	20
1,1,1-Trichloroethane	ND		0.0454	0.0439		mg/Kg	☼	97	72 - 134	2	20
Trichloroethene	ND		0.0454	0.0483		mg/Kg	☼	106	69 - 118	1	20
1,2,4-Trimethylbenzene	ND		0.0454	0.0464		mg/Kg	☼	102	74 - 127	2	20
1,3,5-Trimethylbenzene	ND		0.0454	0.0466		mg/Kg	☼	103	69 - 131	3	20
Vinyl chloride	ND		0.0454	0.0373		mg/Kg	☼	82	64 - 134	2	23
Xylenes, Total	ND		0.0909	0.0973		mg/Kg	☼	107	78 - 118	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-389955/1-A
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Anthracene	ND		0.0067	0.0017	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		03/01/22 14:46	03/02/22 12:07	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-389955/1-A
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Chrysene	ND		0.0067	0.0037	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Fluorene	ND		0.0067	0.0013	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Phenol	ND		0.033	0.010	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Pyrene	ND		0.0067	0.0016	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
Pyridine	ND		0.067	0.018	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		03/01/22 14:46	03/02/22 12:07	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		03/01/22 14:46	03/02/22 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*03/01/22 14:46*	*03/02/22 12:07*	*1*
2-Fluorophenol (Surr)	*79*		*32 - 105*	*03/01/22 14:46*	*03/02/22 12:07*	*1*
Nitrobenzene-d5 (Surr)	*67*		*34 - 109*	*03/01/22 14:46*	*03/02/22 12:07*	*1*
Phenol-d5 (Surr)	*76*		*34 - 105*	*03/01/22 14:46*	*03/02/22 12:07*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*03/01/22 14:46*	*03/02/22 12:07*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*20 - 119*	*03/01/22 14:46*	*03/02/22 12:07*	*1*

Lab Sample ID: LCS 180-389955/2-A
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.444		mg/Kg		67	41 - 100
Acenaphthylene	0.667	0.446		mg/Kg		67	45 - 100
Anthracene	0.667	0.468		mg/Kg		70	47 - 100
Benzo[a]anthracene	0.667	0.452		mg/Kg		68	47 - 100
Benzo[a]pyrene	0.667	0.454		mg/Kg		68	45 - 101
Benzo[b]fluoranthene	0.667	0.454		mg/Kg		68	44 - 100
Benzo[g,h,i]perylene	0.667	0.465		mg/Kg		70	45 - 103
Benzo[k]fluoranthene	0.667	0.447		mg/Kg		67	43 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-389955/2-A
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	0.667	0.436		mg/Kg		65	44 - 100
Dibenz(a,h)anthracene	0.667	0.462		mg/Kg		69	46 - 107
Dibenzofuran	0.667	0.442		mg/Kg		66	47 - 100
2,4-Dinitrotoluene	0.667	0.505		mg/Kg		76	48 - 106
1,4-Dioxane	0.667	0.507		mg/Kg		76	10 - 133
Fluoranthene	0.667	0.464		mg/Kg		70	49 - 102
Fluorene	0.667	0.464		mg/Kg		70	46 - 100
Hexachlorobenzene	0.667	0.479		mg/Kg		72	45 - 101
Hexachlorobutadiene	0.667	0.460		mg/Kg		69	38 - 110
Hexachloroethane	0.667	0.410		mg/Kg		62	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.455		mg/Kg		68	48 - 104
2-Methylphenol	0.667	0.423		mg/Kg		63	43 - 101
Methylphenol, 3 & 4	0.667	0.417		mg/Kg		63	43 - 104
Naphthalene	0.667	0.428		mg/Kg		64	43 - 100
Nitrobenzene	0.667	0.485		mg/Kg		73	43 - 107
Pentachlorophenol	1.33	0.963		mg/Kg		72	34 - 112
Phenanthrene	0.667	0.449		mg/Kg		67	46 - 100
Phenol	0.667	0.521		mg/Kg		78	42 - 103
Pyrene	0.667	0.429		mg/Kg		64	44 - 102
Pyridine	1.33	1.05		mg/Kg		79	25 - 109
2,4,5-Trichlorophenol	0.667	0.477		mg/Kg		72	47 - 108
2,4,6-Trichlorophenol	0.667	0.485		mg/Kg		73	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*35 - 105*
2-Fluorophenol (Surr)	*90*		*32 - 105*
Nitrobenzene-d5 (Surr)	*81*		*34 - 109*
Phenol-d5 (Surr)	*85*		*34 - 105*
Terphenyl-d14 (Surr)	*73*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*87*		*20 - 119*

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.784	0.430		mg/Kg	☼	55	41 - 100
Acenaphthylene	0.029		0.784	0.470		mg/Kg	☼	56	45 - 100
Anthracene	0.022	J	0.784	0.448		mg/Kg	☼	54	47 - 100
Benzo[a]anthracene	0.069		0.784	0.486		mg/Kg	☼	53	47 - 100
Benzo[a]pyrene	0.076		0.784	0.457		mg/Kg	☼	49	45 - 101
Benzo[b]fluoranthene	0.096		0.784	0.501		mg/Kg	☼	52	44 - 100
Benzo[g,h,i]perylene	0.076		0.784	0.528		mg/Kg	☼	58	45 - 103
Benzo[k]fluoranthene	0.038		0.784	0.406		mg/Kg	☼	47	43 - 100
Chrysene	0.075		0.784	0.474		mg/Kg	☼	51	44 - 100
Dibenz(a,h)anthracene	0.020	J	0.784	0.481		mg/Kg	☼	59	46 - 107
Dibenzofuran	ND		0.784	0.424		mg/Kg	☼	54	47 - 100
2,4-Dinitrotoluene	ND		0.784	0.436		mg/Kg	☼	56	48 - 106

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		0.784	0.224	J	mg/Kg	☼	29	10 - 133
Fluoranthene	0.12	F1	0.784	0.495	F1	mg/Kg	☼	48	49 - 102
Fluorene	0.0051	J	0.784	0.402		mg/Kg	☼	51	46 - 100
Hexachlorobenzene	ND		0.784	0.488		mg/Kg	☼	62	45 - 101
Hexachlorobutadiene	ND		0.784	0.468		mg/Kg	☼	60	38 - 110
Hexachloroethane	ND		0.784	0.417		mg/Kg	☼	53	40 - 100
Indeno[1,2,3-cd]pyrene	0.063		0.784	0.525		mg/Kg	☼	59	48 - 104
2-Methylphenol	ND		0.784	0.426		mg/Kg	☼	54	43 - 101
Methylphenol, 3 & 4	0.24	F1	0.784	0.572	F1	mg/Kg	☼	42	43 - 104
Naphthalene	0.019	J	0.784	0.420		mg/Kg	☼	51	43 - 100
Nitrobenzene	ND		0.784	0.512		mg/Kg	☼	65	43 - 107
Pentachlorophenol	ND		1.57	0.667		mg/Kg	☼	43	34 - 112
Phenanthrene	0.045		0.784	0.453		mg/Kg	☼	52	46 - 100
Phenol	ND		0.784	0.429		mg/Kg	☼	55	42 - 103
Pyrene	0.12		0.784	0.494		mg/Kg	☼	48	44 - 102
Pyridine	ND	F1	1.57	0.179	J F1	mg/Kg	☼	11	25 - 109
2,4,5-Trichlorophenol	ND		0.784	0.456		mg/Kg	☼	58	47 - 108
2,4,6-Trichlorophenol	ND		0.784	0.499		mg/Kg	☼	64	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*35 - 105*
2-Fluorophenol (Surr)	*51*		*32 - 105*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*
Phenol-d5 (Surr)	*54*		*34 - 105*
Terphenyl-d14 (Surr)	*57*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*

Lab Sample ID: 180-134308-3 MSD
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389955

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.779	0.437		mg/Kg	☼	56	41 - 100	2	22
Acenaphthylene	0.029		0.779	0.442		mg/Kg	☼	53	45 - 100	6	23
Anthracene	0.022	J	0.779	0.466		mg/Kg	☼	57	47 - 100	4	26
Benzo[a]anthracene	0.069		0.779	0.488		mg/Kg	☼	54	47 - 100	1	24
Benzo[a]pyrene	0.076		0.779	0.471		mg/Kg	☼	51	45 - 101	3	21
Benzo[b]fluoranthene	0.096		0.779	0.504		mg/Kg	☼	52	44 - 100	1	26
Benzo[g,h,i]perylene	0.076		0.779	0.548		mg/Kg	☼	61	45 - 103	4	22
Benzo[k]fluoranthene	0.038		0.779	0.410		mg/Kg	☼	48	43 - 100	1	18
Chrysene	0.075		0.779	0.489		mg/Kg	☼	53	44 - 100	3	26
Dibenz(a,h)anthracene	0.020	J	0.779	0.494		mg/Kg	☼	61	46 - 107	3	24
Dibenzofuran	ND		0.779	0.414		mg/Kg	☼	53	47 - 100	2	19
2,4-Dinitrotoluene	ND		0.779	0.415		mg/Kg	☼	53	48 - 106	5	20
1,4-Dioxane	ND		0.779	0.186	J	mg/Kg	☼	24	10 - 133	19	40
Fluoranthene	0.12	F1	0.779	0.482	F1	mg/Kg	☼	47	49 - 102	3	26
Fluorene	0.0051	J	0.779	0.412		mg/Kg	☼	52	46 - 100	2	22
Hexachlorobenzene	ND		0.779	0.494		mg/Kg	☼	63	45 - 101	1	27

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-134308-3 MSD
Matrix: Solid
Analysis Batch: 390081

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389955

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		0.779	0.406		mg/Kg	☼	52	38 - 110	14	27
Hexachloroethane	ND		0.779	0.399		mg/Kg	☼	51	40 - 100	4	27
Indeno[1,2,3-cd]pyrene	0.063		0.779	0.538		mg/Kg	☼	61	48 - 104	2	22
2-Methylphenol	ND		0.779	0.355		mg/Kg	☼	46	43 - 101	18	27
Methylphenol, 3 & 4	0.24	F1	0.779	0.497	F1	mg/Kg	☼	33	43 - 104	14	24
Naphthalene	0.019	J	0.779	0.399		mg/Kg	☼	49	43 - 100	5	28
Nitrobenzene	ND		0.779	0.464		mg/Kg	☼	60	43 - 107	10	28
Pentachlorophenol	ND		1.56	0.672		mg/Kg	☼	43	34 - 112	1	28
Phenanthrene	0.045		0.779	0.465		mg/Kg	☼	54	46 - 100	3	27
Phenol	ND		0.779	0.379		mg/Kg	☼	49	42 - 103	12	30
Pyrene	0.12		0.779	0.493		mg/Kg	☼	48	44 - 102	0	27
Pyridine	ND	F1	1.56	0.196	J F1	mg/Kg	☼	13	25 - 109	9	31
2,4,5-Trichlorophenol	ND		0.779	0.456		mg/Kg	☼	59	47 - 108	0	19
2,4,6-Trichlorophenol	ND		0.779	0.432		mg/Kg	☼	55	47 - 108	14	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*55*		*35 - 105*
2-Fluorophenol (Surr)	*57*		*32 - 105*
Nitrobenzene-d5 (Surr)	*63*		*34 - 109*
Phenol-d5 (Surr)	*51*		*34 - 105*
Terphenyl-d14 (Surr)	*58*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-389761/1-A
Matrix: Solid
Analysis Batch: 389856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1221	ND		0.017	0.0059	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1232	ND		0.017	0.0041	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1242	ND		0.017	0.0024	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1248	ND		0.017	0.0040	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1254	ND		0.017	0.0050	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1260	ND		0.017	0.0047	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1262	ND		0.017	0.0059	mg/Kg		02/28/22 09:00	03/01/22 10:37	1
PCB-1268	ND		0.017	0.0022	mg/Kg		02/28/22 09:00	03/01/22 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*02/28/22 09:00*	*03/01/22 10:37*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*02/28/22 09:00*	*03/01/22 10:37*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*02/28/22 09:00*	*03/01/22 10:37*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*02/28/22 09:00*	*03/01/22 10:37*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-389761/2-A
Matrix: Solid
Analysis Batch: 389856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389761

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.16		mg/Kg		87	43 - 136		
PCB-1260			1.33	1.34		mg/Kg		100	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*62*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 389856

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389761

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.57	1.73		mg/Kg	☼	110	43 - 136		
PCB-1260	0.057		1.57	1.93		mg/Kg	☼	120	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*

Lab Sample ID: 180-134308-3 MSD
Matrix: Solid
Analysis Batch: 389856

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389761

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.57	1.68		mg/Kg	☼	107	43 - 136	3	40
PCB-1260	0.057		1.57	1.77		mg/Kg	☼	109	55 - 128	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-389833/1-A
Matrix: Solid
Analysis Batch: 390019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Barium	ND		20	3.6	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Beryllium	ND		0.40	0.11	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Cadmium	ND		0.50	0.073	mg/Kg		02/28/22 16:17	03/01/22 10:20	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-389833/1-A
Matrix: Solid
Analysis Batch: 390019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50	0.46	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Copper	ND		2.5	1.5	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Lead	ND		1.0	0.87	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Manganese	ND		1.5	0.28	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Nickel	ND		4.0	0.50	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Selenium	ND	^+	1.0	0.46	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Silver	ND		0.50	0.10	mg/Kg		02/28/22 16:17	03/01/22 10:20	1
Zinc	ND		2.0	1.2	mg/Kg		02/28/22 16:17	03/01/22 10:20	1

Lab Sample ID: LCS 180-389833/2-A
Matrix: Solid
Analysis Batch: 390019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		mg/Kg		100	80 - 120
Barium	100	103		mg/Kg		103	80 - 120
Beryllium	50.0	51.8		mg/Kg		104	80 - 120
Cadmium	50.0	50.4		mg/Kg		101	80 - 120
Chromium	50.0	48.6		mg/Kg		97	80 - 120
Copper	50.0	51.4		mg/Kg		103	80 - 120
Lead	50.0	46.9		mg/Kg		94	80 - 120
Manganese	50.0	49.3		mg/Kg		99	80 - 120
Nickel	50.0	50.1		mg/Kg		100	80 - 120
Selenium	100	90.7	^+	mg/Kg		91	80 - 120
Silver	25.0	24.7		mg/Kg		99	80 - 120
Zinc	25.0	22.9		mg/Kg		91	80 - 120

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 390019

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.4	F1	74.4	59.5	F1	mg/Kg	☼	74	75 - 125
Barium	53	F1	74.4	105	F1	mg/Kg	☼	70	75 - 125
Beryllium	0.33	F1	37.2	27.3	F1	mg/Kg	☼	73	75 - 125
Cadmium	0.088	J F1	37.2	26.8	F1	mg/Kg	☼	72	75 - 125
Chromium	9.0	F1	37.2	35.9	F1	mg/Kg	☼	72	75 - 125
Copper	44	F1	37.2	71.3	F1	mg/Kg	☼	72	75 - 125
Lead	14	F2 F1	37.2	94.2	F1	mg/Kg	☼	214	75 - 125
Manganese	250		37.2	350	4	mg/Kg	☼	257	75 - 125
Nickel	12		37.2	50.0		mg/Kg	☼	101	75 - 125
Selenium	0.53	J ^+ F1	74.4	47.9	^+ F1	mg/Kg	☼	64	75 - 125
Silver	ND	F1	18.6	13.5	F1	mg/Kg	☼	72	75 - 125
Zinc	44		18.6	67.0		mg/Kg	☼	122	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-134308-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A79C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390019 — **Prep Batch: 389833**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.4	F1	74.4	59.6	F1	mg/Kg	☼	74	75 - 125	0	20
Barium	53	F1	74.4	109		mg/Kg	☼	75	75 - 125	3	20
Beryllium	0.33	F1	37.2	28.0	F1	mg/Kg	☼	74	75 - 125	3	20
Cadmium	0.088	J F1	37.2	27.2	F1	mg/Kg	☼	73	75 - 125	2	20
Chromium	9.0	F1	37.2	36.0	F1	mg/Kg	☼	73	75 - 125	0	20
Copper	44	F1	37.2	73.7		mg/Kg	☼	79	75 - 125	3	20
Lead	14	F2 F1	37.2	48.6	F2	mg/Kg	☼	92	75 - 125	64	20
Manganese	250		37.2	373	4	mg/Kg	☼	320	75 - 125	6	20
Nickel	12		37.2	46.4		mg/Kg	☼	91	75 - 125	8	20
Selenium	0.53	J ^+ F1	74.4	48.1	^+ F1	mg/Kg	☼	64	75 - 125	0	20
Silver	ND	F1	18.6	13.3	F1	mg/Kg	☼	72	75 - 125	1	20
Zinc	44		18.6	66.7		mg/Kg	☼	121	75 - 125	0	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-390306/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390394 — **Prep Batch: 390306**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/03/22 14:42	03/04/22 07:21	1

Lab Sample ID: LCS 180-390306/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390394 — **Prep Batch: 390306**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.422		mg/Kg		101	80 - 120

Lab Sample ID: 180-134308-3 MS — **Client Sample ID: SSHS-IRM5A2-A2-A79C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390394 — **Prep Batch: 390306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.038		0.170	0.209		mg/Kg	☼	100	80 - 120

Lab Sample ID: 180-134308-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A79C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390394 — **Prep Batch: 390306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.038		0.151	0.194		mg/Kg	☼	103	80 - 120	8	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-134308-5 DU
Matrix: Solid
Analysis Batch: 389803

Client Sample ID: SSHS-IRM5A2-A2-A80B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10.3		10.7		%		4	10
Percent Solids	89.7		89.3		%		0.4	10

Lab Sample ID: 180-134308-20 DU
Matrix: Solid
Analysis Batch: 389803

Client Sample ID: SSHS-IRM5A2-A2-A85B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.9		5.4		%		10	10
Percent Solids	94.1		94.6		%		0.6	10

Lab Sample ID: 180-134308-27 DU
Matrix: Solid
Analysis Batch: 389947

Client Sample ID: SSHS-IRM5A2-A2-A87C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.6		7.5		%		1	10
Percent Solids	92.4		92.5		%		0.08	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-390277/1-A
Matrix: Solid
Analysis Batch: 390485

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		03/03/22 11:54	03/04/22 16:30	1

Lab Sample ID: LCSI 180-390277/3-A
Matrix: Solid
Analysis Batch: 390485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390277

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	600		mg/Kg		85	80 - 120

Lab Sample ID: LCSS 180-390277/2-A
Matrix: Solid
Analysis Batch: 390485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390277

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	16.9		mg/Kg		84	80 - 120

Lab Sample ID: 180-134308-3 MSI
Matrix: Solid
Analysis Batch: 390485

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 390277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND	F1	819	548	F1	mg/Kg	☼	67	75 - 125

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 180-134308-3 MSS
Matrix: Solid
Analysis Batch: 390485

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 390277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND	F1	23.3	10.6	F1	mg/Kg	☼	46	75 - 125

Lab Sample ID: 180-134308-3 DU
Matrix: Solid
Analysis Batch: 390485

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 390277

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND	F1	ND		mg/Kg	☼	NC	20

Lab Sample ID: MB 180-390287/1-A
Matrix: Solid
Analysis Batch: 390487

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390287

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		03/03/22 12:10	03/04/22 16:48	1

Lab Sample ID: LCSI 180-390287/3-A
Matrix: Solid
Analysis Batch: 390487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390287

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	619		mg/Kg		87	80 - 120

Lab Sample ID: LCSS 180-390287/2-A
Matrix: Solid
Analysis Batch: 390487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390287

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.1		mg/Kg		86	80 - 120

Lab Sample ID: 180-134308-3 MSI
Matrix: Solid
Analysis Batch: 390487

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 390287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND	F1	826	555	F1	mg/Kg	☼	67	75 - 125

Lab Sample ID: 180-134308-3 MSS
Matrix: Solid
Analysis Batch: 390487

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 390287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND	F1	23.3	9.53	F1	mg/Kg	☼	41	75 - 125

Lab Sample ID: 180-134308-3 DU
Matrix: Solid
Analysis Batch: 390487

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 390287

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND	F1	ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-389885/4-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/01/22 10:30	03/01/22 14:30	1

Lab Sample ID: HLCS 180-389885/2-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-389885/3-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.7		mg/Kg		85	17 - 163

Lab Sample ID: LLCS 180-389885/1-A
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0511		mg/Kg		102	90 - 110

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.44		4.90	5.28		mg/Kg	☼	99	75 - 125

Lab Sample ID: 180-134308-3 MSD
Matrix: Solid
Analysis Batch: 390047

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 389885

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.44		4.52	5.12		mg/Kg	☼	104	75 - 125	3	20

Lab Sample ID: MB 180-389942/4-A
Matrix: Solid
Analysis Batch: 390066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/01/22 14:15	03/01/22 18:37	1

Lab Sample ID: HLCS 180-389942/2-A
Matrix: Solid
Analysis Batch: 390066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389942

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.243		mg/Kg		97	90 - 110

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

Method: EPA 9014 - Cyanide

Lab Sample ID: LCS 180-389942/3-A
Matrix: Solid
Analysis Batch: 390066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	19.3		mg/Kg		84	17 - 163

Lab Sample ID: LLCS 180-389942/1-A
Matrix: Solid
Analysis Batch: 390066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389942

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0529		mg/Kg		106	90 - 110

GC/MS VOA

Analysis Batch: 389721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-1	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	EPA 8260C	389728
180-134308-4	SSHS-IRM5A2-A2-A80A	Total/NA	Solid	EPA 8260C	389728
180-134308-5	SSHS-IRM5A2-A2-A80B	Total/NA	Solid	EPA 8260C	389728
180-134308-7	SSHS-IRM5A2-A2-A81A	Total/NA	Solid	EPA 8260C	389728
180-134308-8	SSHS-IRM5A2-A2-A81B	Total/NA	Solid	EPA 8260C	389728
180-134308-10	SSHS-IRM5A2-A2-A82A	Total/NA	Solid	EPA 8260C	389728
180-134308-11	SSHS-IRM5A2-A2-A82B	Total/NA	Solid	EPA 8260C	389728
180-134308-13	SSHS-IRM5A2-A2-A83A	Total/NA	Solid	EPA 8260C	389728
180-134308-14	SSHS-IRM5A2-A2-A83B	Total/NA	Solid	EPA 8260C	389728
180-134308-16	SSHS-IRM5A2-A2-A84A	Total/NA	Solid	EPA 8260C	389728
180-134308-17	SSHS-IRM5A2-A2-A84B	Total/NA	Solid	EPA 8260C	389728
180-134308-19	SSHS-IRM5A2-A2-A85A	Total/NA	Solid	EPA 8260C	389728
180-134308-20	SSHS-IRM5A2-A2-A85B	Total/NA	Solid	EPA 8260C	389728
180-134308-22	SSHS-IRM5A2-A2-A86A	Total/NA	Solid	EPA 8260C	389728
180-134308-23	SSHS-IRM5A2-A2-A86B	Total/NA	Solid	EPA 8260C	389728
180-134308-25	SSHS-IRM5A2-A2-A87A	Total/NA	Solid	EPA 8260C	389728
180-134308-28	SSHS-IRM5A2-A2-A88A	Total/NA	Solid	EPA 8260C	389728
MB 180-389721/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-389721/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-134308-1 MS	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	EPA 8260C	389728
180-134308-1 MSD	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	EPA 8260C	389728

Prep Batch: 389728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-1	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	5035	
180-134308-4	SSHS-IRM5A2-A2-A80A	Total/NA	Solid	5035	
180-134308-5	SSHS-IRM5A2-A2-A80B	Total/NA	Solid	5035	
180-134308-7	SSHS-IRM5A2-A2-A81A	Total/NA	Solid	5035	
180-134308-8	SSHS-IRM5A2-A2-A81B	Total/NA	Solid	5035	
180-134308-10	SSHS-IRM5A2-A2-A82A	Total/NA	Solid	5035	
180-134308-11	SSHS-IRM5A2-A2-A82B	Total/NA	Solid	5035	
180-134308-13	SSHS-IRM5A2-A2-A83A	Total/NA	Solid	5035	
180-134308-14	SSHS-IRM5A2-A2-A83B	Total/NA	Solid	5035	
180-134308-16	SSHS-IRM5A2-A2-A84A	Total/NA	Solid	5035	
180-134308-17	SSHS-IRM5A2-A2-A84B	Total/NA	Solid	5035	
180-134308-19	SSHS-IRM5A2-A2-A85A	Total/NA	Solid	5035	
180-134308-20	SSHS-IRM5A2-A2-A85B	Total/NA	Solid	5035	
180-134308-22	SSHS-IRM5A2-A2-A86A	Total/NA	Solid	5035	
180-134308-23	SSHS-IRM5A2-A2-A86B	Total/NA	Solid	5035	
180-134308-25	SSHS-IRM5A2-A2-A87A	Total/NA	Solid	5035	
180-134308-28	SSHS-IRM5A2-A2-A88A	Total/NA	Solid	5035	
180-134308-1 MS	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	5035	
180-134308-1 MSD	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	5035	

Analysis Batch: 389862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-2	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	EPA 8260C	389870
180-134308-26	SSHS-IRM5A2-A2-A87B	Total/NA	Solid	EPA 8260C	389870
180-134308-29	SSHS-IRM5A2-A2-A88B	Total/NA	Solid	EPA 8260C	389870
180-134308-31	SSHS-IRM5A2-A2-DUP14A	Total/NA	Solid	EPA 8260C	389870
180-134308-32	SSHS-IRM5A2-A2-DUP14B	Total/NA	Solid	EPA 8260C	389870

GC/MS VOA (Continued)

Analysis Batch: 389862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-389862/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-389862/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-134308-2 MS	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	EPA 8260C	389870
180-134308-2 MSD	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	EPA 8260C	389870

Prep Batch: 389870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-2	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	5035	
180-134308-26	SSHS-IRM5A2-A2-A87B	Total/NA	Solid	5035	
180-134308-29	SSHS-IRM5A2-A2-A88B	Total/NA	Solid	5035	
180-134308-31	SSHS-IRM5A2-A2-DUP14A	Total/NA	Solid	5035	
180-134308-32	SSHS-IRM5A2-A2-DUP14B	Total/NA	Solid	5035	
180-134308-2 MS	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	5035	
180-134308-2 MSD	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 389955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3541	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	3541	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	3541	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	3541	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	3541	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	3541	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	3541	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	3541	
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	3541	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	3541	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	3541	
MB 180-389955/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-389955/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3541	
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3541	

Analysis Batch: 390081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	EPA 8270D LL	389955
MB 180-389955/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	389955
LCS 180-389955/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	389955
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 8270D LL	389955

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-1

GC/MS Semi VOA

Analysis Batch: 390270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	EPA 8270D LL	389955
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	EPA 8270D LL	389955

GC Semi VOA

Prep Batch: 389761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3541	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	3541	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	3541	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	3541	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	3541	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	3541	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	3541	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	3541	
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	3541	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	3541	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	3541	
MB 180-389761/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-389761/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3541	
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3541	

Cleanup Batch: 389851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3665A	389761
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	3665A	389761
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	3665A	389761
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	3665A	389761
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	3665A	389761
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	3665A	389761
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	3665A	389761
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	3665A	389761
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	3665A	389761
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	3665A	389761
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	3665A	389761
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3665A	389761
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3665A	389761

Cleanup Batch: 389852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3660B	389851
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	3660B	389851
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	3660B	389851
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	3660B	389851
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	3660B	389851
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	3660B	389851
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	3660B	389851
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	3660B	389851
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	3660B	389851

GC Semi VOA (Continued)

Cleanup Batch: 389852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	3660B	389851
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	3660B	389851
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3660B	389851
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3660B	389851

Analysis Batch: 389856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 8082A	389852
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	EPA 8082A	389852
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	EPA 8082A	389852
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	EPA 8082A	389852
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	EPA 8082A	389852
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	EPA 8082A	389852
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	EPA 8082A	389852
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 8082A	389852
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 8082A	389852
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	EPA 8082A	389852
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	EPA 8082A	389852
MB 180-389761/1-A	Method Blank	Total/NA	Solid	EPA 8082A	389761
LCS 180-389761/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	389761
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 8082A	389852
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 8082A	389852

Metals

Prep Batch: 389833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3050B	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	3050B	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	3050B	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	3050B	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	3050B	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	3050B	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	3050B	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	3050B	
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	3050B	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	3050B	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	3050B	
MB 180-389833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-389833/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3050B	
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3050B	

Analysis Batch: 390019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 6010C	389833
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	EPA 6010C	389833
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	EPA 6010C	389833
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	EPA 6010C	389833
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	EPA 6010C	389833
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	EPA 6010C	389833

Metals (Continued)

Analysis Batch: 390019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	EPA 6010C	389833
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 6010C	389833
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 6010C	389833
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 6010C	389833
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	EPA 6010C	389833
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	EPA 6010C	389833
MB 180-389833/1-A	Method Blank	Total/NA	Solid	EPA 6010C	389833
LCS 180-389833/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	389833
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 6010C	389833
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 6010C	389833

Analysis Batch: 390124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 6010C	389833

Prep Batch: 390306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	7471B	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	7471B	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	7471B	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	7471B	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	7471B	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	7471B	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	7471B	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	7471B	
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	7471B	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	7471B	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	7471B	
MB 180-390306/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-390306/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	7471B	
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	7471B	

Analysis Batch: 390394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7471B	390306
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	EPA 7471B	390306
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	EPA 7471B	390306
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	EPA 7471B	390306
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	EPA 7471B	390306
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	EPA 7471B	390306
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	EPA 7471B	390306
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 7471B	390306
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 7471B	390306
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	EPA 7471B	390306
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	EPA 7471B	390306
MB 180-390306/1-A	Method Blank	Total/NA	Solid	EPA 7471B	390306
LCS 180-390306/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	390306
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7471B	390306
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7471B	390306

General Chemistry

Analysis Batch: 389789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-1	SSHS-IRM5A2-A2-A79A	Total/NA	Solid	2540G	
180-134308-2	SSHS-IRM5A2-A2-A79B	Total/NA	Solid	2540G	
180-134308-4	SSHS-IRM5A2-A2-A80A	Total/NA	Solid	2540G	

Analysis Batch: 389803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-5	SSHS-IRM5A2-A2-A80B	Total/NA	Solid	2540G	
180-134308-7	SSHS-IRM5A2-A2-A81A	Total/NA	Solid	2540G	
180-134308-8	SSHS-IRM5A2-A2-A81B	Total/NA	Solid	2540G	
180-134308-10	SSHS-IRM5A2-A2-A82A	Total/NA	Solid	2540G	
180-134308-11	SSHS-IRM5A2-A2-A82B	Total/NA	Solid	2540G	
180-134308-13	SSHS-IRM5A2-A2-A83A	Total/NA	Solid	2540G	
180-134308-14	SSHS-IRM5A2-A2-A83B	Total/NA	Solid	2540G	
180-134308-16	SSHS-IRM5A2-A2-A84A	Total/NA	Solid	2540G	
180-134308-17	SSHS-IRM5A2-A2-A84B	Total/NA	Solid	2540G	
180-134308-19	SSHS-IRM5A2-A2-A85A	Total/NA	Solid	2540G	
180-134308-20	SSHS-IRM5A2-A2-A85B	Total/NA	Solid	2540G	
180-134308-22	SSHS-IRM5A2-A2-A86A	Total/NA	Solid	2540G	
180-134308-23	SSHS-IRM5A2-A2-A86B	Total/NA	Solid	2540G	
180-134308-25	SSHS-IRM5A2-A2-A87A	Total/NA	Solid	2540G	
180-134308-26	SSHS-IRM5A2-A2-A87B	Total/NA	Solid	2540G	
180-134308-28	SSHS-IRM5A2-A2-A88A	Total/NA	Solid	2540G	
180-134308-29	SSHS-IRM5A2-A2-A88B	Total/NA	Solid	2540G	
180-134308-31	SSHS-IRM5A2-A2-DUP14A	Total/NA	Solid	2540G	
180-134308-32	SSHS-IRM5A2-A2-DUP14B	Total/NA	Solid	2540G	
180-134308-5 DU	SSHS-IRM5A2-A2-A80B	Total/NA	Solid	2540G	
180-134308-20 DU	SSHS-IRM5A2-A2-A85B	Total/NA	Solid	2540G	

Prep Batch: 389885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	9010C	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	9010C	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	9010C	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	9010C	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	9010C	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	9010C	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	9010C	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	9010C	
MB 180-389885/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-389885/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-389885/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-389885/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	9010C	
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	9010C	

Prep Batch: 389942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	9010C	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	9010C	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	9010C	
MB 180-389942/4-A	Method Blank	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 389942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 180-389942/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-389942/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-389942/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 389943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	2540G	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	2540G	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	2540G	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	2540G	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	2540G	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	2540G	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	2540G	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	2540G	

Analysis Batch: 389947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	2540G	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	2540G	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	2540G	
180-134308-27 DU	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	2540G	

Analysis Batch: 390047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 9014	389885
MB 180-389885/4-A	Method Blank	Total/NA	Solid	EPA 9014	389885
HLCS 180-389885/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885
LCS 180-389885/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885
LLCS 180-389885/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389885
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 9014	389885
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 9014	389885

Analysis Batch: 390066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	EPA 9014	389885
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	EPA 9014	389885
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	EPA 9014	389885
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	EPA 9014	389885
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	EPA 9014	389885
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	EPA 9014	389885
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 9014	389885
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 9014	389942
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	EPA 9014	389942
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	EPA 9014	389942
MB 180-389942/4-A	Method Blank	Total/NA	Solid	EPA 9014	389942
HLCS 180-389942/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389942
LCS 180-389942/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389942
LLCS 180-389942/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	389942

General Chemistry

Prep Batch: 390277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	3060A	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	3060A	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	3060A	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	3060A	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	3060A	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	3060A	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	3060A	
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	3060A	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	3060A	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	3060A	
MB 180-390277/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-390277/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-390277/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-134308-3 MSI	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	
180-134308-3 MSS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	
180-134308-3 DU	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	

Prep Batch: 390287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	
MB 180-390287/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-390287/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-390287/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-134308-3 MSI	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	
180-134308-3 MSS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	
180-134308-3 DU	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	3060A	

Analysis Batch: 390485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390277
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	EPA 7196A	390277
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	EPA 7196A	390277
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	EPA 7196A	390277
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	EPA 7196A	390277
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	EPA 7196A	390277
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	EPA 7196A	390277
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	EPA 7196A	390277
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	EPA 7196A	390277
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	EPA 7196A	390277
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	EPA 7196A	390277
MB 180-390277/1-A	Method Blank	Total/NA	Solid	EPA 7196A	390277
LCSI 180-390277/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390277
LCSS 180-390277/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390277
180-134308-3 MSI	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390277
180-134308-3 MSS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390277
180-134308-3 DU	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390277

Analysis Batch: 390487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390287

General Chemistry (Continued)

Analysis Batch: 390487 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-390287/1-A	Method Blank	Total/NA	Solid	EPA 7196A	390287
LCSI 180-390287/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390287
LCSS 180-390287/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390287
180-134308-3 MSI	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390287
180-134308-3 MSS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390287
180-134308-3 DU	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	EPA 7196A	390287

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A79A	2/25/22	1240	G	S	N	Y	X								12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A79B	2/25/22	1240	G	S	N	Y	X								12	
SSHS-IRM5A2-A2-A79C	2/25/22	1240	C	S	N	Y		X	X	X	X	X	X	X	10	
SSHS-IRM5A2-A2-A80A	2/25/22	1250	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A80B	2/25/22	1250	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A80C	2/25/22	1250	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A81A	2/25/22	1300	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A81B	2/25/22	1300	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A81C	2/25/22	1300	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A82A	2/25/22	1310	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A82B	2/25/22	1310	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	25/Feb/2022 1800	GeoSyntec		2/26/22 1315	EETPIT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-134308 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A82C	2/25/22	1310	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A83A	2/25/22	1320	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A83B	2/25/22	1320	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A83C	2/25/22	1320	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A84A	2/25/22	1330	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A84B	2/25/22	1330	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A84C	2/25/22	1330	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A85A	2/25/22	1350	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A85B	2/25/22	1350	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A85C	2/25/22	1350	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A86A	2/25/22	1530	G	S	N	N	X								4	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		25 Feb/2022 1800	GEOSYNTEC		2/26/22 1315	EEA Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A86B	2/25/22	1530	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A86C	2/25/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A87A	2/25/22	1540	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A87B	2/25/22	1540	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A87C	2/25/22	1540	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A88A	2/25/22	1550	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A88B	2/25/22	1550	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A88C	2/25/22	1550	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP14A	2/25/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP14B	2/25/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP14C	2/25/22	-	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alex Waheed	25 Feb 2022 1500	Geosyntec		7/26/22 1515	EFSTPIT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-134308 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A79A	2/25/22	1240	G	S	N	Y	X													12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A79B	2/25/22	1240	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A79C	2/25/22	1240	C	S	N	Y		X	X	X	X	X	X	X						10	
SSHS-IRM5A2-A2-A80A	2/25/22	1250	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A80B	2/25/22	1250	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A80C	2/25/22	1250	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A81A	2/25/22	1300	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A81B	2/25/22	1300	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A81C	2/25/22	1300	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A82A	2/25/22	1310	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A82B	2/25/22	1310	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
		25/Feb/2022 1800	Geosyntec		2-26-22 1030	EE
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1688894 | Cooler Temperature(s) °C and Other Remarks: 1.0°C

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A82C	2/25/22	1310	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A83A	2/25/22	1320	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A83B	2/25/22	1320	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A83C	2/25/22	1320	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A84A	2/25/22	1330	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A84B	2/25/22	1330	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A84C	2/25/22	1330	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A85A	2/25/22	1350	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A85B	2/25/22	1350	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A85C	2/25/22	1350	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A86A	2/25/22	1530	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	25/Feb/2022 1800	Geosyntec	[signature]	2-26-22 1030	SEATac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1688894 | Cooler Temperature(s) °C and Other Remarks: 1.0°C

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
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D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8280C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7198A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A86B	2/25/22	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A86C	2/25/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A87A	2/25/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A87B	2/25/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A87C	2/25/22	1540	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A88A	2/25/22	1550	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A88B	2/25/22	1550	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A88C	2/25/22	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP14A	2/25/22	-	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP14B	2/25/22	-	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP14C	2/25/22	-	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	25/Feb/2022 1000	Geosyntec	[signature]	2/26/22 1032	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1688894 | Cooler Temperature(s) °C and Other Remarks: 1.0 °C

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-134308 Field Sheet

Job: _____

Tracking # : 7760 8384 5080

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 606 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1688894

Cooler ID: _____

Temp Observed: 1.0 °C Corrected: 1.0 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2-26-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 2/26/22

Notes: Sample container has incorrect time. 13:40 COC Says: 13:50 #218 180-134308 JB 2/26/22

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☐	☐	☒

Initials: JB Date: 2/26/22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134308-1

Login Number: 134308
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134308-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/7/2022 3:13:27 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-134308-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134308-2

Receipt
The samples were received on 2/26/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0º C, 2.5º C, 2.6º C and 2.7º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recoveries of M2-6:2 FTS and M2-8:2 FTS above the method recommended limit for the following samples: SSHS-IRM5A2-A2-A79C (180-134308-3) and its matrix spikes, SSHS-IRM5A2-A2-A80C (180-134308-6), SSHS-IRM5A2-A2-A81C (180-134308-9), SSHS-IRM5A2-A2-A82C (180-134308-12), SSHS-IRM5A2-A2-A83C (180-134308-15), SSHS-IRM5A2-A2-A84C (180-134308-18), SSHS-IRM5A2-A2-A85C (180-134308-21), SSHS-IRM5A2-A2-A86C (180-134308-24) and SSHS-IRM5A2-A2-DUP14C (180-134308-33). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery of M2-8:2 FTS above the method recommended limit for the following sample: SSHS-IRM5A2-A2-A88C (180-134308-30). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A80C (180-134308-6), SSHS-IRM5A2-A2-A81C (180-134308-9), and SSHS-IRM5A2-A2-DUP14C (180-134308-33). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

Method 537 (modified): The transition mass ion ratio was outside of the established limits for one or more analytes in (CCVL 320-569393/2) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged analyte is in control in the low level continuing calibration verification (CCVL), there is no adverse impact to the data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134308-3	SSHS-IRM5A2-A2-A79C	Solid	02/25/22 12:40	02/26/22 13:15
180-134308-6	SSHS-IRM5A2-A2-A80C	Solid	02/25/22 12:50	02/26/22 13:15
180-134308-9	SSHS-IRM5A2-A2-A81C	Solid	02/25/22 13:00	02/26/22 13:15
180-134308-12	SSHS-IRM5A2-A2-A82C	Solid	02/25/22 13:10	02/26/22 13:15
180-134308-15	SSHS-IRM5A2-A2-A83C	Solid	02/25/22 13:20	02/26/22 13:15
180-134308-18	SSHS-IRM5A2-A2-A84C	Solid	02/25/22 13:30	02/26/22 13:15
180-134308-21	SSHS-IRM5A2-A2-A85C	Solid	02/25/22 13:50	02/26/22 13:15
180-134308-24	SSHS-IRM5A2-A2-A86C	Solid	02/25/22 15:30	02/26/22 13:15
180-134308-27	SSHS-IRM5A2-A2-A87C	Solid	02/25/22 15:40	02/26/22 13:15
180-134308-30	SSHS-IRM5A2-A2-A88C	Solid	02/25/22 15:50	02/26/22 13:15
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Solid	02/25/22 00:00	02/26/22 13:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Client Sample ID: SSHS-IRM5A2-A2-A79C
Lab Sample ID: 180-134308-3
Date Collected: 02/25/22 12:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.51 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 09:50	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A80C
Lab Sample ID: 180-134308-6
Date Collected: 02/25/22 12:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.39 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 10:21	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A81C
Lab Sample ID: 180-134308-9
Date Collected: 02/25/22 13:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.01 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			570577	03/04/22 15:57	AEC	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A82C
Lab Sample ID: 180-134308-12
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.21 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 10:42	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A83C
Lab Sample ID: 180-134308-15
Date Collected: 02/25/22 13:20
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.49 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 10:52	RS1	TAL SAC
	Instrument ID: A9									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Client Sample ID: SSHS-IRM5A2-A2-A84C
Lab Sample ID: 180-134308-18
Date Collected: 02/25/22 13:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.45 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 11:02	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A85C
Lab Sample ID: 180-134308-21
Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.30 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 11:34	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A86C
Lab Sample ID: 180-134308-24
Date Collected: 02/25/22 15:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 11:44	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A87C
Lab Sample ID: 180-134308-27
Date Collected: 02/25/22 15:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.52 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 11:55	RS1	TAL SAC
	Instrument ID: A9									

Client Sample ID: SSHS-IRM5A2-A2-A88C
Lab Sample ID: 180-134308-30
Date Collected: 02/25/22 15:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 12:05	RS1	TAL SAC
	Instrument ID: A9									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-DUP14C
Lab Sample ID: 180-134308-33
Date Collected: 02/25/22 00:00
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	568999	02/28/22 11:15	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			569398	03/01/22 12:15	RS1	TAL SAC
	Instrument ID: A9									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

AEC = Erika Contreras

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A79C
Lab Sample ID: 180-134308-3
Date Collected: 02/25/22 12:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 85.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorooctanoic acid (PFOA)	**0.12**	**J**	0.21	0.057	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**		0.21	0.046	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 09:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*63*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C5 PFPeA	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C2 PFHxA	*97*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C4 PFHpA	*96*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C4 PFOA	*103*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C5 PFNA	*123*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C2 PFDA	*128*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C2 PFUnA	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C2 PFDoA	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C2 PFTeDA	*101*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C3 PFBS	*110*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
18O2 PFHxS	*100*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C4 PFOS	*125*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
13C8 FOSA	*109*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
M2-6:2 FTS	*209*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*
M2-8:2 FTS	*340*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 09:50*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Client Sample ID: SSHS-IRM5A2-A2-A80C
Date Collected: 02/25/22 12:50
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-6
Matrix: Solid
Percent Solids: 91.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.20	0.054	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorooctanesulfonic acid (PFOS)	**0.23**	**I**	0.20	0.044	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	02/28/22 11:15	03/01/22 10:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*54*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C5 PFPeA	*112*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C2 PFHxA	*98*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C4 PFHpA	*92*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C4 PFOA	*103*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C5 PFNA	*126*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C2 PFDA	*144*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C2 PFUnA	*127*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C2 PFDoA	*114*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C3 PFBS	*119*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
18O2 PFHxS	*107*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C4 PFOS	*143*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
13C8 FOSA	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
M2-6:2 FTS	*245*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*
M2-8:2 FTS	*392*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 10:21*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A81C
Lab Sample ID: 180-134308-9

Date Collected: 02/25/22 13:00
Matrix: Solid

Date Received: 02/26/22 13:15
Percent Solids: 83.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.17**	**J**	0.24	0.055	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluoropentanoic acid (PFPeA)	**0.24**		0.24	0.049	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorohexanoic acid (PFHxA)	**0.039**	**J**	0.24	0.037	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.046	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorooctanoic acid (PFOA)	**0.21**	**J**	0.24	0.064	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorononanoic acid (PFNA)	**0.026**	**J**	0.24	0.026	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.058	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.050	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.046	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.24	0.059	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.49**	**I**	0.24	0.052	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.062	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.028	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.058	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	02/28/22 11:15	03/04/22 15:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*36*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C5 PFPeA	*99*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C2 PFHxA	*105*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C4 PFHpA	*106*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C4 PFOA	*105*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C5 PFNA	*106*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C2 PFDA	*104*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C2 PFUnA	*103*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C2 PFDoA	*94*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C3 PFBS	*110*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
18O2 PFHxS	*99*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C4 PFOS	*109*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
13C8 FOSA	*86*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
M2-6:2 FTS	*230*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*
M2-8:2 FTS	*237*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/04/22 15:57*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A82C
Lab Sample ID: 180-134308-12
Date Collected: 02/25/22 13:10
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 86.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorooctanoic acid (PFOA)	**0.089**	**J**	0.22	0.059	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J**	0.22	0.048	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 10:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C5 PFPeA	*104*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C2 PFHxA	*85*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C4 PFHpA	*82*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C4 PFOA	*100*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C5 PFNA	*124*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C2 PFDA	*134*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C2 PFUnA	*111*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C2 PFDoA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C2 PFTeDA	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C3 PFBS	*98*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
18O2 PFHxS	*95*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C4 PFOS	*118*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
13C8 FOSA	*116*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
d3-NMeFOSAA	*103*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
d5-NEtFOSAA	*114*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
M2-6:2 FTS	*213*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*
M2-8:2 FTS	*332*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 10:42*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A83C
Lab Sample ID: 180-134308-15
Date Collected: 02/25/22 13:20
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorohexanoic acid (PFHxA)	**0.034**	**J**	0.20	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorooctanoic acid (PFOA)	**0.071**	**J**	0.20	0.054	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorooctanesulfonic acid (PFOS)	**0.097**	**J**	0.20	0.044	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	02/28/22 11:15	03/01/22 10:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C5 PFPeA	*101*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C2 PFHxA	*79*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C4 PFHpA	*84*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C4 PFOA	*103*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C5 PFNA	*123*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C2 PFDA	*120*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C2 PFUnA	*107*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C2 PFDoA	*108*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C3 PFBS	*89*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
18O2 PFHxS	*84*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C4 PFOS	*114*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
13C8 FOSA	*113*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
d5-NEtFOSAA	*107*		*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
M2-6:2 FTS	*165*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*
M2-8:2 FTS	*272*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 10:52*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Client Sample ID: SSHS-IRM5A2-A2-A84C
Date Collected: 02/25/22 13:30
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-18
Matrix: Solid
Percent Solids: 88.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorohexanoic acid (PFHxA)	**0.032**	**J**	0.21	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorooctanesulfonic acid (PFOS)	**0.071**	**J**	0.21	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	02/28/22 11:15	03/01/22 11:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C5 PFPeA	*100*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C2 PFHxA	*78*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C4 PFHpA	*82*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C4 PFOA	*104*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C5 PFNA	*110*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C2 PFDA	*123*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C2 PFUnA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C2 PFDoA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C3 PFBS	*95*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
18O2 PFHxS	*94*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C4 PFOS	*118*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
13C8 FOSA	*111*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
d3-NMeFOSAA	*104*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
M2-6:2 FTS	*167*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*
M2-8:2 FTS	*244*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 11:02*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A85C
Lab Sample ID: 180-134308-21
Date Collected: 02/25/22 13:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorooctanoic acid (PFOA)	**0.078**	**J**	0.21	0.056	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorooctanesulfonic acid (PFOS)	**0.088**	**J**	0.21	0.046	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 11:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*56*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C5 PFPeA	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C2 PFHxA	*99*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C4 PFHpA	*97*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C4 PFOA	*110*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C5 PFNA	*125*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C2 PFDA	*132*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C2 PFUnA	*119*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C2 PFDoA	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C3 PFBS	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
18O2 PFHxS	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C4 PFOS	*135*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
13C8 FOSA	*109*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
M2-6:2 FTS	*239*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*
M2-8:2 FTS	*390*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 11:34*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A86C
Lab Sample ID: 180-134308-24
Date Collected: 02/25/22 15:30
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 89.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorooctanesulfonic acid (PFOS)	**0.085**	**J**	0.22	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 11:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*47*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C5 PFPeA	*119*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C2 PFHxA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C4 PFHpA	*99*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C4 PFOA	*102*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C5 PFNA	*134*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C2 PFDA	*149*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C2 PFUnA	*128*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C2 PFDoA	*116*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C2 PFTeDA	*116*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C3 PFBS	*118*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
18O2 PFHxS	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C4 PFOS	*148*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
13C8 FOSA	*122*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
d5-NEtFOSAA	*120*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
M2-6:2 FTS	*257*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*
M2-8:2 FTS	*448*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 11:44*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A87C
Lab Sample ID: 180-134308-27
Date Collected: 02/25/22 15:40
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 92.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.082**	**J**	0.20	0.042	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
6:2 FTS	ND		0.20	0.026	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	02/28/22 11:15	03/01/22 11:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C5 PFPeA	*104*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C2 PFHxA	*82*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C4 PFHpA	*81*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C4 PFOA	*97*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C5 PFNA	*114*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C2 PFDA	*108*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C2 PFUnA	*107*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C2 PFDoA	*108*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C2 PFTeDA	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C3 PFBS	*90*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
18O2 PFHxS	*91*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C4 PFOS	*111*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
13C8 FOSA	*111*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*
M2-8:2 FTS	*125*		*25 - 150*	*02/28/22 11:15*	*03/01/22 11:55*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134308-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A88C
Lab Sample ID: 180-134308-30
Date Collected: 02/25/22 15:50
Matrix: Solid
Date Received: 02/26/22 13:15
Percent Solids: 91.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	02/28/22 11:15	03/01/22 12:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C5 PFPeA	*110*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C2 PFHxA	*84*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C4 PFHpA	*90*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C4 PFOA	*112*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C5 PFNA	*118*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C2 PFDA	*118*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C2 PFUnA	*122*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C2 PFDoA	*96*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C2 PFTeDA	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C3 PFBS	*98*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
18O2 PFHxS	*95*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C4 PFOS	*115*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
13C8 FOSA	*117*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
M2-6:2 FTS	*138*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*
M2-8:2 FTS	*165*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 12:05*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134308-2

Client Sample ID: SSHS-IRM5A2-A2-DUP14C
Date Collected: 02/25/22 00:00
Date Received: 02/26/22 13:15

Lab Sample ID: 180-134308-33
Matrix: Solid
Percent Solids: 89.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.21	0.056	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.18**	**J I**	0.21	0.046	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	02/28/22 11:15	03/01/22 12:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*49*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C5 PFPeA	*116*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C2 PFHxA	*87*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C4 PFHpA	*92*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C4 PFOA	*107*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C5 PFNA	*132*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C2 PFDA	*143*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C2 PFUnA	*117*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C2 PFDoA	*101*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C3 PFBS	*111*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
18O2 PFHxS	*107*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C4 PFOS	*144*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
13C8 FOSA	*108*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
M2-6:2 FTS	*244*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*
M2-8:2 FTS	*427*	**5+*	*25 - 150*	*02/28/22 11:15*	*03/01/22 12:15*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-568999/1-A
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 568999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/28/22 11:15	03/01/22 09:29	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/28/22 11:15	03/01/22 09:29	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C5 PFPeA	*117*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C2 PFHxA	*105*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C4 PFHpA	*101*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C4 PFOA	*112*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C5 PFNA	*116*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C2 PFDA	*110*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C2 PFUnA	*108*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C2 PFDoA	*113*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C2 PFTeDA	*126*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C3 PFBS	*119*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
18O2 PFHxS	*108*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C4 PFOS	*117*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
13C8 FOSA	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
d5-NEtFOSAA	*114*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*02/28/22 11:15*	*03/01/22 09:29*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-568999/2-A
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 568999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.95		ug/Kg		97	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.93		ug/Kg		97	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.85		ug/Kg		93	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.13		ug/Kg		107	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.98		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.85		ug/Kg		92	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.99		ug/Kg		99	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.07		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.40		ug/Kg		120	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.98		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.73		ug/Kg		98	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.63		ug/Kg		89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.89		ug/Kg		99	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.81		ug/Kg		98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.74		ug/Kg		90	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.15		ug/Kg		107	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.00		ug/Kg		100	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.97		ug/Kg		98	72 - 132
6:2 FTS	1.90	1.79		ug/Kg		95	73 - 139
8:2 FTS	1.92	2.04		ug/Kg		106	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*72*		*25 - 150*
13C5 PFPeA	*111*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*93*		*25 - 150*
13C4 PFOA	*108*		*25 - 150*
13C5 PFNA	*117*		*25 - 150*
13C2 PFDA	*106*		*25 - 150*
13C2 PFUnA	*98*		*25 - 150*
13C2 PFDoA	*108*		*25 - 150*
13C2 PFTeDA	*119*		*25 - 150*
13C3 PFBS	*109*		*25 - 150*
18O2 PFHxS	*108*		*25 - 150*
13C4 PFOS	*115*		*25 - 150*
13C8 FOSA	*105*		*25 - 150*
d3-NMeFOSAA	*96*		*25 - 150*
d5-NEtFOSAA	*103*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-568999/2-A
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 568999

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	94		25 - 150

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 568999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		2.18	2.14		ug/Kg	☼	98	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.18	2.29		ug/Kg	☼	105	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.18	2.17		ug/Kg	☼	100	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.18	2.09		ug/Kg	☼	96	71 - 131
Perfluorooctanoic acid (PFOA)	0.12	J	2.18	2.33		ug/Kg	☼	101	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.18	2.21		ug/Kg	☼	101	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.18	2.14		ug/Kg	☼	98	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.18	2.13		ug/Kg	☼	98	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.18	1.92		ug/Kg	☼	88	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.18	2.17		ug/Kg	☼	99	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.18	2.14		ug/Kg	☼	98	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.93	1.80		ug/Kg	☼	93	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.99	1.93		ug/Kg	☼	97	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.08	1.94		ug/Kg	☼	93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.22		2.02	2.10		ug/Kg	☼	92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.10	1.71		ug/Kg	☼	81	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.18	2.25		ug/Kg	☼	103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.18	2.49		ug/Kg	☼	114	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.18	2.14		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		2.07	2.31		ug/Kg	☼	112	73 - 139
8:2 FTS	ND		2.09	2.29		ug/Kg	☼	110	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	67		25 - 150
13C5 PFPeA	110		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	103		25 - 150
13C5 PFNA	114		25 - 150
13C2 PFDA	123		25 - 150
13C2 PFUnA	112		25 - 150
13C2 PFDoA	112		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134308-3 MS
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 568999

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	118		25 - 150
13C3 PFBS	101		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	124		25 - 150
13C8 FOSA	121		25 - 150
d3-NMeFOSAA	108		25 - 150
d5-NEtFOSAA	123		25 - 150
M2-6:2 FTS	179	*5+	25 - 150
M2-8:2 FTS	280	*5+	25 - 150

Lab Sample ID: 180-134308-3 MSD
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 568999

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.28	2.49		ug/Kg	☼	109	76 - 136	15	30
Perfluoropentanoic acid (PFPeA)	ND		2.28	2.34		ug/Kg	☼	103	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)	ND		2.28	2.31		ug/Kg	☼	101	71 - 131	6	30
Perfluoroheptanoic acid (PFHpA)	ND		2.28	2.42		ug/Kg	☼	106	71 - 131	15	30
Perfluorooctanoic acid (PFOA)	0.12	J	2.28	2.52		ug/Kg	☼	105	72 - 132	8	30
Perfluorononanoic acid (PFNA)	ND		2.28	2.17		ug/Kg	☼	95	73 - 133	2	30
Perfluorodecanoic acid (PFDA)	ND		2.28	2.15		ug/Kg	☼	94	72 - 132	1	30
Perfluoroundecanoic acid (PFUnA)	ND		2.28	2.19		ug/Kg	☼	96	66 - 126	3	30
Perfluorododecanoic acid (PFDoA)	ND		2.28	2.28		ug/Kg	☼	100	71 - 131	17	30
Perfluorotridecanoic acid (PFTriA)	ND		2.28	2.49		ug/Kg	☼	109	71 - 131	14	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.28	2.33		ug/Kg	☼	102	67 - 127	9	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.01	1.84		ug/Kg	☼	91	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.07	1.78		ug/Kg	☼	86	62 - 122	8	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.17	2.03		ug/Kg	☼	94	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	0.22		2.11	2.19		ug/Kg	☼	93	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.20	1.71		ug/Kg	☼	78	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)	ND		2.28	2.45		ug/Kg	☼	108	77 - 137	9	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.28	2.58		ug/Kg	☼	113	72 - 132	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.28	2.54		ug/Kg	☼	111	72 - 132	17	30
6:2 FTS	ND		2.16	2.31		ug/Kg	☼	107	73 - 139	0	30
8:2 FTS	ND		2.18	2.21		ug/Kg	☼	101	75 - 135	3	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	62		25 - 150
13C5 PFPeA	108		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134308-3 MSD
Matrix: Solid
Analysis Batch: 569398

Client Sample ID: SSHS-IRM5A2-A2-A79C
Prep Type: Total/NA
Prep Batch: 568999

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	99		25 - 150
13C4 PFHpA	86		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	116		25 - 150
13C2 PFDA	129		25 - 150
13C2 PFUnA	115		25 - 150
13C2 PFDoA	106		25 - 150
13C2 PFTeDA	108		25 - 150
13C3 PFBS	104		25 - 150
18O2 PFHxS	95		25 - 150
13C4 PFOS	127		25 - 150
13C8 FOSA	113		25 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	114		25 - 150
M2-6:2 FTS	191	*5+	25 - 150
M2-8:2 FTS	294	*5+	25 - 150

LCMS

Prep Batch: 568999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	SHAKE	
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	SHAKE	
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	SHAKE	
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	SHAKE	
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	SHAKE	
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	SHAKE	
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	SHAKE	
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	SHAKE	
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	SHAKE	
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	SHAKE	
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	SHAKE	
MB 320-568999/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-568999/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	SHAKE	
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	SHAKE	

Analysis Batch: 569398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-3	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	537 (modified)	568999
180-134308-6	SSHS-IRM5A2-A2-A80C	Total/NA	Solid	537 (modified)	568999
180-134308-12	SSHS-IRM5A2-A2-A82C	Total/NA	Solid	537 (modified)	568999
180-134308-15	SSHS-IRM5A2-A2-A83C	Total/NA	Solid	537 (modified)	568999
180-134308-18	SSHS-IRM5A2-A2-A84C	Total/NA	Solid	537 (modified)	568999
180-134308-21	SSHS-IRM5A2-A2-A85C	Total/NA	Solid	537 (modified)	568999
180-134308-24	SSHS-IRM5A2-A2-A86C	Total/NA	Solid	537 (modified)	568999
180-134308-27	SSHS-IRM5A2-A2-A87C	Total/NA	Solid	537 (modified)	568999
180-134308-30	SSHS-IRM5A2-A2-A88C	Total/NA	Solid	537 (modified)	568999
180-134308-33	SSHS-IRM5A2-A2-DUP14C	Total/NA	Solid	537 (modified)	568999
MB 320-568999/1-A	Method Blank	Total/NA	Solid	537 (modified)	568999
LCS 320-568999/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	568999
180-134308-3 MS	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	537 (modified)	568999
180-134308-3 MSD	SSHS-IRM5A2-A2-A79C	Total/NA	Solid	537 (modified)	568999

Analysis Batch: 570577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134308-9	SSHS-IRM5A2-A2-A81C	Total/NA	Solid	537 (modified)	568999

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N								
SSHS-IRM5A2-A2-A79A	2/25/22	1240	G	S	N	Y	X														12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A79B	2/25/22	1240	G	S	N	Y	X														12	
SSHS-IRM5A2-A2-A79C	2/25/22	1240	C	S	N	Y		X	X	X	X	X	X	X							10	
SSHS-IRM5A2-A2-A80A	2/25/22	1250	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A80B	2/25/22	1250	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A80C	2/25/22	1250	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A81A	2/25/22	1300	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A81B	2/25/22	1300	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A81C	2/25/22	1300	C	S	N	N		X	X	X	X	X	X	X							5	
SSHS-IRM5A2-A2-A82A	2/25/22	1310	G	S	N	N	X														4	
SSHS-IRM5A2-A2-A82B	2/25/22	1310	G	S	N	N	X														4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		25/Feb/2022 1800	GeoSyntec		2/26/22 1315	EETHAP,CT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-134308 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A82C	2/25/22	1310	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A83A	2/25/22	1320	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A83B	2/25/22	1320	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A83C	2/25/22	1320	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A84A	2/25/22	1330	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A84B	2/25/22	1330	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A84C	2/25/22	1330	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A85A	2/25/22	1350	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A85B	2/25/22	1350	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A85C	2/25/22	1350	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A86A	2/25/22	1530	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		25 Feb/2022 1800	GEOSYNTEC		2/26/22 1315	EEA Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A86B	2/25/22	1530	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A86C	2/25/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A87A	2/25/22	1540	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A87B	2/25/22	1540	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A87C	2/25/22	1540	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A88A	2/25/22	1550	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A88B	2/25/22	1550	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A88C	2/25/22	1550	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-DUP14A	2/25/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP14B	2/25/22	-	G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP14C	2/25/22	-	C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alex Waheed	25 Feb/2022 1500	Geosyntec	[signature]	7/26/22 1515	EFSTPIT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 5 day
State, Zip: MD, 21044	
Phone: 410-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-134308 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A79A	2/25/22	1240	G	S	N	Y	X													12	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A79B	2/25/22	1240	G	S	N	Y	X													12	
SSHS-IRM5A2-A2-A79C	2/25/22	1240	C	S	N	Y		X	X	X	X	X	X	X						10	
SSHS-IRM5A2-A2-A80A	2/25/22	1250	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A80B	2/25/22	1250	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A80C	2/25/22	1250	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A81A	2/25/22	1300	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A81B	2/25/22	1300	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A81C	2/25/22	1300	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A82A	2/25/22	1310	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A82B	2/25/22	1310	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
		25/Feb/2022 1800	Geosyntec		2-26-22 1030	EE
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No (Yes) | Custody Seal No.: 1688894 | Cooler Temperature(s) °C and Other Remarks: 1.0°C

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.			Analysis Requested	Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044	PO #: MN0832I			Other:
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A82C	2/25/22	1310	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A83A	2/25/22	1320	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A83B	2/25/22	1320	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A83C	2/25/22	1320	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A84A	2/25/22	1330	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A84B	2/25/22	1330	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A84C	2/25/22	1330	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A85A	2/25/22	1350	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A85B	2/25/22	1350	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A85C	2/25/22	1350	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A86A	2/25/22	1530	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	25/Feb/2022 1800	Geosyntec	[signature]	2-26-22 1030	SEATac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1688894 | Cooler Temperature(s) °C and Other Remarks: 1.0°C

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Waheed, Alex Khawaja	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7198A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A86B	2/25/22	1530	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A86C	2/25/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A87A	2/25/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A87B	2/25/22	1540	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A87C	2/25/22	1540	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A88A	2/25/22	1550	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A88B	2/25/22	1550	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A88C	2/25/22	1550	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP14A	2/25/22	-	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP14B	2/25/22	-	G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP14C	2/25/22	-	C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	25/Feb/2022 1000	Geosyntec	[signature]	2/26/22 1032	EE Testa
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1688894 | Cooler Temperature(s) °C and Other Remarks: 1.0 °C

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-134308 Field Sheet

Job: _____

Tracking # : 7760 8384 5080

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 606 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1688894

Cooler ID: _____

Temp Observed: 1.0 °C Corrected: 1.0 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2-26-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JS Date: 2/26/22

Notes: Sample container has incorrect time. 13:40 COC Says: 13:50 #218 180-134308 JS 2/26/22

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☒	☐	☐
Log Release checked in TALS?	☐	☐	☒

Initials: JS Date: 2/26/22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134308-2

Login Number: 134308
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134308-2

Login Number: 134308
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1688894
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134729-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/11/2022 3:27:06 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134729-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134729-2

Receipt
The samples were received on 3/5/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4º C, 2.8º C, 4.4º C and 4.6º C.

LCMS
Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit for the following samples: SSHS-IRM5A2-A2-A89C (180-134729-3) and SSHS-IRM5A2-A2-DUP15C (180-134729-27). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgement was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	01-23-23
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134729-3	SSHS-IRM5A2-A2-A89C	Solid	03/04/22 11:40	03/05/22 09:00
180-134729-6	SSHS-IRM5A2-A2-A90C	Solid	03/04/22 12:00	03/05/22 09:00
180-134729-9	SSHS-IRM5A2-A2-A91C	Solid	03/04/22 12:15	03/05/22 09:00
180-134729-12	SSHS-IRM5A2-A2-A92C	Solid	03/04/22 12:30	03/05/22 09:00
180-134729-15	SSHS-IRM5A2-A2-A93C	Solid	03/04/22 12:45	03/05/22 09:00
180-134729-18	SSHS-IRM5A2-A2-A94C	Solid	03/04/22 15:30	03/05/22 09:00
180-134729-21	SSHS-IRM5A2-A2-A95C	Solid	03/04/22 16:00	03/05/22 09:00
180-134729-24	SSHS-IRM5A2-A2-A96C	Solid	03/04/22 16:30	03/05/22 09:00
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Solid	03/04/22 00:00	03/05/22 09:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

Client Sample ID: SSHS-IRM5A2-A2-A89C
Lab Sample ID: 180-134729-3
Date Collected: 03/04/22 11:40
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.47 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 00:56	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A90C
Lab Sample ID: 180-134729-6
Date Collected: 03/04/22 12:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.58 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 01:06	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A91C
Lab Sample ID: 180-134729-9
Date Collected: 03/04/22 12:15
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.01 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 01:16	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A92C
Lab Sample ID: 180-134729-12
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 01:26	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A93C
Lab Sample ID: 180-134729-15
Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 01:37	K1S	TAL SAC
	Instrument ID: A15									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A94C — Lab Sample ID: 180-134729-18

Date Collected: 03/04/22 15:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 93.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.21 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 01:47	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A95C — Lab Sample ID: 180-134729-21

Date Collected: 03/04/22 16:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 93.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 02:17	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-A96C — Lab Sample ID: 180-134729-24

Date Collected: 03/04/22 16:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.56 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 02:27	K1S	TAL SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A2-DUP15C — Lab Sample ID: 180-134729-27

Date Collected: 03/04/22 00:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.39 g	10.0 mL	570855	03/07/22 11:27	OP	TAL SAC
Total/NA	Analysis	537 (modified)		1			571363	03/09/22 02:37	K1S	TAL SAC
	Instrument ID: A15									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

OP = Oscar Pascual-Diaz

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A89C
Lab Sample ID: 180-134729-3
Date Collected: 03/04/22 11:40
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorooctanesulfonic acid (PFOS)	**0.064**	**J I**	0.20	0.043	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	03/07/22 11:27	03/09/22 00:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C5 PFPeA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C2 PFHxA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C4 PFOA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C5 PFNA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C2 PFDA	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C2 PFUnA	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C2 PFDoA	*85*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C3 PFBS	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
18O2 PFHxS	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C4 PFOS	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
13C8 FOSA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*03/07/22 11:27*	*03/09/22 00:56*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A90C
Date Collected: 03/04/22 12:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-6
Matrix: Solid
Percent Solids: 92.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.045	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.047	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.047	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	03/07/22 11:27	03/09/22 01:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C5 PFPeA	*84*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C2 PFHxA	*87*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C4 PFHpA	*101*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C4 PFOA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C5 PFNA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C2 PFDA	*87*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C2 PFUnA	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C2 PFDoA	*84*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C3 PFBS	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
18O2 PFHxS	*86*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C4 PFOS	*90*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
13C8 FOSA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:06*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

Client Sample ID: SSHS-IRM5A2-A2-A91C
Date Collected: 03/04/22 12:15
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-9
Matrix: Solid
Percent Solids: 91.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 01:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C5 PFPeA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C2 PFHxA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C4 PFOA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C5 PFNA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C2 PFDA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C2 PFUnA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C2 PFDoA	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C3 PFBS	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
18O2 PFHxS	*84*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C4 PFOS	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:16*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

Client Sample ID: SSHS-IRM5A2-A2-A92C
Date Collected: 03/04/22 12:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-12
Matrix: Solid
Percent Solids: 95.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	03/07/22 11:27	03/09/22 01:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C5 PFPeA	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C2 PFHxA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C4 PFHpA	*100*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C4 PFOA	*100*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C5 PFNA	*101*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C2 PFDA	*97*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C2 PFUnA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C2 PFDoA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C3 PFBS	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
18O2 PFHxS	*85*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C4 PFOS	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
13C8 FOSA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:26*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A93C
Lab Sample ID: 180-134729-15
Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorooctanesulfonic acid (PFOS)	**0.18**	**J**	0.21	0.044	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 01:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*63*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C5 PFPeA	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C2 PFHxA	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C4 PFHpA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C4 PFOA	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C5 PFNA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C2 PFDA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C2 PFUnA	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C2 PFDoA	*84*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C3 PFBS	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
18O2 PFHxS	*80*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C4 PFOS	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
13C8 FOSA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:37*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

Client Sample ID: SSHS-IRM5A2-A2-A94C
Date Collected: 03/04/22 15:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-18
Matrix: Solid
Percent Solids: 93.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.024	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 01:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C5 PFPeA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C2 PFHxA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C4 PFHpA	*103*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C4 PFOA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C5 PFNA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C2 PFDA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C2 PFUnA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C2 PFDoA	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C3 PFBS	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
18O2 PFHxS	*87*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C4 PFOS	*97*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
13C8 FOSA	*99*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*03/07/22 11:27*	*03/09/22 01:47*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A95C
Lab Sample ID: 180-134729-21
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 93.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorooctanesulfonic acid (PFOS)	**0.073**	**J**	0.21	0.045	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	03/07/22 11:27	03/09/22 02:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C5 PFPeA	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C2 PFHxA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C4 PFOA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C5 PFNA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C2 PFDA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C2 PFUnA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C2 PFDoA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C3 PFBS	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
18O2 PFHxS	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C4 PFOS	*100*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
13C8 FOSA	*101*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:17*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A96C
Lab Sample ID: 180-134729-24
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.040	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.035	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorooctanesulfonic acid (PFOS)	**0.10**	**J**	0.19	0.041	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1
8:2 FTS	ND		0.19	0.033	ug/Kg	☼	03/07/22 11:27	03/09/22 02:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C5 PFPeA	*97*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C2 PFHxA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C4 PFHpA	*104*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C4 PFOA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C5 PFNA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C2 PFDA	*97*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C2 PFUnA	*102*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C2 PFDoA	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C3 PFBS	*101*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
18O2 PFHxS	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C4 PFOS	*102*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
13C8 FOSA	*103*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:27*	*1*

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-DUP15C
Lab Sample ID: 180-134729-27
Date Collected: 03/04/22 00:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorooctanesulfonic acid (PFOS)	**0.075**	**J I**	0.20	0.044	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	03/07/22 11:27	03/09/22 02:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C5 PFPeA	*94*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C2 PFHxA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C4 PFOA	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C5 PFNA	*98*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C2 PFDA	*95*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C2 PFUnA	*97*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C2 PFDoA	*90*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C3 PFBS	*92*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
18O2 PFHxS	*86*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C4 PFOS	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
13C8 FOSA	*99*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*03/07/22 11:27*	*03/09/22 02:37*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-570855/1-A
Matrix: Solid
Analysis Batch: 571363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
6:2 FTS	ND		0.20	0.027	ug/Kg		03/07/22 11:27	03/08/22 22:34	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/07/22 11:27	03/08/22 22:34	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C5 PFPeA	*91*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C2 PFHxA	*93*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C4 PFOA	*97*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C5 PFNA	*95*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C2 PFDA	*91*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C2 PFUnA	*89*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C2 PFDoA	*88*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C3 PFBS	*101*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
18O2 PFHxS	*90*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C4 PFOS	*100*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*03/07/22 11:27*	*03/08/22 22:34*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-570855/2-A
Matrix: Solid
Analysis Batch: 571363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.83		ug/Kg		91	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.96		ug/Kg		98	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.82		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.97		ug/Kg		98	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.99		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.00		ug/Kg		100	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.88		ug/Kg		94	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.89		ug/Kg		95	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.93		ug/Kg		96	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.05		ug/Kg		103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.00		ug/Kg		100	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.55		ug/Kg		88	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.77		ug/Kg		97	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.65		ug/Kg		87	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.77		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.82		ug/Kg		95	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.10		ug/Kg		105	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.92		ug/Kg		96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.86		ug/Kg		93	72 - 132
6:2 FTS	1.90	1.83		ug/Kg		97	73 - 139
8:2 FTS	1.92	1.84		ug/Kg		96	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*68*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*
13C4 PFHpA	*95*		*25 - 150*
13C4 PFOA	*93*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*94*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*
13C2 PFTeDA	*90*		*25 - 150*
13C3 PFBS	*105*		*25 - 150*
18O2 PFHxS	*92*		*25 - 150*
13C4 PFOS	*103*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*87*		*25 - 150*
d5-NEtFOSAA	*99*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-570855/2-A
Matrix: Solid
Analysis Batch: 571363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570855

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	86		25 - 150
M2-8:2 FTS	86		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-2

LCMS

Prep Batch: 570855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	SHAKE	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	SHAKE	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	SHAKE	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	SHAKE	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	SHAKE	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	SHAKE	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	SHAKE	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	SHAKE	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	SHAKE	
MB 320-570855/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-570855/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 571363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	537 (modified)	570855
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	537 (modified)	570855
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	537 (modified)	570855
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	537 (modified)	570855
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	537 (modified)	570855
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	537 (modified)	570855
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	537 (modified)	570855
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	537 (modified)	570855
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	537 (modified)	570855
MB 320-570855/1-A	Method Blank	Total/NA	Solid	537 (modified)	570855
LCS 320-570855/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	570855

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			Other:
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastestoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7199A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A89A	3/4/22	1140	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A89B	3/4/22	1140	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A89C	3/4/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A90A	3/4/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A90B	3/4/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A90C	3/4/22	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A91A	3/4/22	1215	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A91B	3/4/22	1215	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A91C	3/4/22	1215	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A92A	3/4/22	1230	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A92B	3/4/22	1230	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	FEDEX
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-134729 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A92C	3/4/22	1230	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A93A	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93B	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93C	3/4/22	1245	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A94A	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94B	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94C	3/4/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A95A	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95B	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95C	3/4/22	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A96A	3/4/22	1630	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	EETAP
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A96B	3/4/22	1630	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A96C	3/4/22	1630	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP15A	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15B	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15C	3/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	EETA-Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-134729 Chain of Custody

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	8010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A89A	3/4/22	1140	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A89B	3/4/22	1140	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A89C	3/4/22	1140	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A90A	3/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A90B	3/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A90C	3/4/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A91A	3/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A91B	3/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A91C	3/4/22	1215	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A92A	3/4/22	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A92B	3/4/22	1230	G	S	N	N	X												4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 0.4c

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A92C	3/4/22	1230	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A93A	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93B	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93C	3/4/22	1245	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A94A	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94B	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94C	3/4/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A95A	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95B	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95C	3/4/22	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A96A	3/4/22	1630	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 0.4

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A96B	3/4/22	1630	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A96C	3/4/22	1630	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP15A	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15B	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15C	3/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/4/22 1800			3/5/22 900	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: Seal	Cooler Temperature(s) °C and Other Remarks: 0.4

Ver: 01/16/2019

3/11/2022

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

DR 3/5/22

Tracking # : 7761 ~~508~~ 6332 5706

Job:___ 180-134729 Field Sheet ___

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-23 Corr. Factor: (+) (-) 0.4 °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: Regis

Cooler ID: _____

Temp Observed: 0.8 °C Corrected: 0.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DR Date: 3/5/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-5-22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: JO Date: 3-5-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134729-2

Login Number: 134729
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134729-2

Login Number: 134729
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	seals
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134729-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/14/2022 5:37:11 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-134729-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134729-1

Receipt
The samples were received on 3/5/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4º C, 2.8º C, 4.4º C and 4.6º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-390738 was above the control limits for the following analytes: 2-Butanone, Acetone, and Vinyl Chloride. The recoveries were within the control limits.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-390900 recovered below the control limits for the following analytes: 1,2-Dichloroethane, Methyl Tert Butyl Ether, and/or 2-Butanone. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analytes had they been present. Since the affected target analytes were not detected in the samples, the results were reported. The RPD between the LCS/LCSD was also above the control limits for 2-Butanone.

Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 was below the control limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-390900. The associated samples had the recoveries within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-390738 was above criteria for the following analytes: 1,1-Dichloroethene, 1,4-Dioxane, Acetone, Carbon Tetrachloride, and Methylene Chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-390900 was below criteria for the following analytes: n-propylbenzene and tert-butylbenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-390900 was above criteria for the following analyte: 1,4-Dioxane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-390892 (CCVIS 180-390892/26) was above criteria for aroclor 1016 on column RTX-CLP2 and above criteria for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1016 were reported from column RTX-CLP1 and did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-390892 (CCVIS 180-390892/26) was above criteria for aroclor 1260 for 2 peaks on column RTX-CLP1. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP1 and did not have these peaks included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-390892 (CCVIS 180-390892/26) was above criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-390892 (CCVIS 180-390892/47) was above criteria for aroclor 1016 on column RTX-CLP2 and above criteria for 1 peak on column RTX-CLP1. Associated samples results were reported from

Job ID: 180-134729-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

column RTX-CLP1.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-390892 (CCVIS 180-390892/47) was above criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A89C (180-134729-3) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134729-1	SSHS-IRM5A2-A2-A89A	Solid	03/04/22 11:40	03/05/22 09:00
180-134729-2	SSHS-IRM5A2-A2-A89B	Solid	03/04/22 11:40	03/05/22 09:00
180-134729-3	SSHS-IRM5A2-A2-A89C	Solid	03/04/22 11:40	03/05/22 09:00
180-134729-4	SSHS-IRM5A2-A2-A90A	Solid	03/04/22 12:00	03/05/22 09:00
180-134729-5	SSHS-IRM5A2-A2-A90B	Solid	03/04/22 12:00	03/05/22 09:00
180-134729-6	SSHS-IRM5A2-A2-A90C	Solid	03/04/22 12:00	03/05/22 09:00
180-134729-7	SSHS-IRM5A2-A2-A91A	Solid	03/04/22 12:15	03/05/22 09:00
180-134729-8	SSHS-IRM5A2-A2-A91B	Solid	03/04/22 12:15	03/05/22 09:00
180-134729-9	SSHS-IRM5A2-A2-A91C	Solid	03/04/22 12:15	03/05/22 09:00
180-134729-10	SSHS-IRM5A2-A2-A92A	Solid	03/04/22 12:30	03/05/22 09:00
180-134729-11	SSHS-IRM5A2-A2-A92B	Solid	03/04/22 12:30	03/05/22 09:00
180-134729-12	SSHS-IRM5A2-A2-A92C	Solid	03/04/22 12:30	03/05/22 09:00
180-134729-13	SSHS-IRM5A2-A2-A93A	Solid	03/04/22 12:45	03/05/22 09:00
180-134729-14	SSHS-IRM5A2-A2-A93B	Solid	03/04/22 12:45	03/05/22 09:00
180-134729-15	SSHS-IRM5A2-A2-A93C	Solid	03/04/22 12:45	03/05/22 09:00
180-134729-16	SSHS-IRM5A2-A2-A94A	Solid	03/04/22 15:30	03/05/22 09:00
180-134729-17	SSHS-IRM5A2-A2-A94B	Solid	03/04/22 15:30	03/05/22 09:00
180-134729-18	SSHS-IRM5A2-A2-A94C	Solid	03/04/22 15:30	03/05/22 09:00
180-134729-19	SSHS-IRM5A2-A2-A95A	Solid	03/04/22 16:00	03/05/22 09:00
180-134729-20	SSHS-IRM5A2-A2-A95B	Solid	03/04/22 16:00	03/05/22 09:00
180-134729-21	SSHS-IRM5A2-A2-A95C	Solid	03/04/22 16:00	03/05/22 09:00
180-134729-22	SSHS-IRM5A2-A2-A96A	Solid	03/04/22 16:30	03/05/22 09:00
180-134729-23	SSHS-IRM5A2-A2-A96B	Solid	03/04/22 16:30	03/05/22 09:00
180-134729-24	SSHS-IRM5A2-A2-A96C	Solid	03/04/22 16:30	03/05/22 09:00
180-134729-25	SSHS-IRM5A2-A2-DUP15A	Solid	03/04/22 00:00	03/05/22 09:00
180-134729-26	SSHS-IRM5A2-A2-DUP15B	Solid	03/04/22 00:00	03/05/22 09:00
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Solid	03/04/22 00:00	03/05/22 09:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A89A — Lab Sample ID: 180-134729-1
Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A89A — Lab Sample ID: 180-134729-1
Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0984 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 15:33	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A89B — Lab Sample ID: 180-134729-2
Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A89B — Lab Sample ID: 180-134729-2
Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 95.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1139 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 16:02	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A89C — Lab Sample ID: 180-134729-3
Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A89C — Lab Sample ID: 180-134729-3
Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 15:39	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-A89C

Lab Sample ID: 180-134729-3
Date Collected: 03/04/22 11:40
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 18:15	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.54 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 19:33	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.71 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:18	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:19	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.24 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 12:50	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A90A

Lab Sample ID: 180-134729-4
Date Collected: 03/04/22 12:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A90A

Lab Sample ID: 180-134729-4
Date Collected: 03/04/22 12:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0373 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 16:31	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A90B

Lab Sample ID: 180-134729-5
Date Collected: 03/04/22 12:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-134729-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A90B — Lab Sample ID: 180-134729-5

Date Collected: 03/04/22 12:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 94.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9128 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 17:00	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A90C — Lab Sample ID: 180-134729-6

Date Collected: 03/04/22 12:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A90C — Lab Sample ID: 180-134729-6

Date Collected: 03/04/22 12:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 92.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 16:01	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 18:34	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.39 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:09	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.71 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:19	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:13	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.23 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 12:51	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A91A — Lab Sample ID: 180-134729-7

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390644	03/07/22 10:29	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A91A — Lab Sample ID: 180-134729-7

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 92.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3811 g	5 mL	390952	03/09/22 08:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390900	03/09/22 14:29	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A91B — Lab Sample ID: 180-134729-8

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A91B — Lab Sample ID: 180-134729-8

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 92.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9943 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 17:58	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A91C — Lab Sample ID: 180-134729-9

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A91C — Lab Sample ID: 180-134729-9

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 16:23	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 18:53	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.50 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:13	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-A91C
Lab Sample ID: 180-134729-9
Date Collected: 03/04/22 12:15
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.75 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:20	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:20	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.30 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 12:53	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A92A
Lab Sample ID: 180-134729-10
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A92A
Lab Sample ID: 180-134729-10
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1219 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 18:26	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A92B
Lab Sample ID: 180-134729-11
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A92B
Lab Sample ID: 180-134729-11
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0758 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 18:55	KLG	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-A92C
Date Collected: 03/04/22 12:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A92C
Date Collected: 03/04/22 12:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-12
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 16:45	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 19:12	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.55 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:18	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.90 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:21	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.50 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:23	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.22 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 12:55	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A93A
Date Collected: 03/04/22 12:45
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A93A
Date Collected: 03/04/22 12:45
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-13
Matrix: Solid
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8395 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 19:24	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A93B
Lab Sample ID: 180-134729-14
Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A93B
Lab Sample ID: 180-134729-14
Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9056 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 19:53	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A93C
Lab Sample ID: 180-134729-15
Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A93C
Lab Sample ID: 180-134729-15
Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 17:07	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 20:09	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.48 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:22	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.51 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:24	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.27 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 12:57	CMR	TAL PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-A94A
Lab Sample ID: 180-134729-16
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A94A
Lab Sample ID: 180-134729-16
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0886 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 20:22	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A94B
Lab Sample ID: 180-134729-17
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A94B
Lab Sample ID: 180-134729-17
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9958 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 20:50	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A94C
Lab Sample ID: 180-134729-18
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A94C
Lab Sample ID: 180-134729-18
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 17:29	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-A94C

Lab Sample ID: 180-134729-18
Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 20:28	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.39 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.76 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:23	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.52 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:25	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.26 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 12:58	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A95A

Lab Sample ID: 180-134729-19
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A95A

Lab Sample ID: 180-134729-19
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0711 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 21:19	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A95B

Lab Sample ID: 180-134729-20
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A95B
Lab Sample ID: 180-134729-20
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0461 g	5 mL	390952	03/09/22 08:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390900	03/09/22 14:57	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A95C
Lab Sample ID: 180-134729-21
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A95C
Lab Sample ID: 180-134729-21
Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 17:51	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 20:47	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.28 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:32	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:24	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.48 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:26	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.27 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 13:00	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-A96A
Lab Sample ID: 180-134729-22
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134729-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A96A
Lab Sample ID: 180-134729-22
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0771 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 22:15	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A96B
Lab Sample ID: 180-134729-23
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A96B
Lab Sample ID: 180-134729-23
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9092 g	5 mL	390952	03/09/22 08:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390900	03/09/22 15:26	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-A96C
Lab Sample ID: 180-134729-24
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A96C
Lab Sample ID: 180-134729-24
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 18:13	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 21:06	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.39 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:46	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-A96C
Lab Sample ID: 180-134729-24
Date Collected: 03/04/22 16:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.67 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:28	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.55 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:27	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.28 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 13:05	CMR	TAL PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A2-DUP15A
Lab Sample ID: 180-134729-25
Date Collected: 03/04/22 00:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP15A
Lab Sample ID: 180-134729-25
Date Collected: 03/04/22 00:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1127 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 23:12	KLG	TAL PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-A2-DUP15B
Lab Sample ID: 180-134729-26
Date Collected: 03/04/22 00:00
Matrix: Solid
Date Received: 03/05/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP15B
Lab Sample ID: 180-134729-26
Date Collected: 03/04/22 00:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0131 g	5 mL	390782	03/08/22 06:30	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	390738	03/08/22 23:40	KLG	TAL PIT
	Instrument ID: CHHP4									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Client Sample ID: SSHS-IRM5A2-A2-DUP15C
Date Collected: 03/04/22 00:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			390658	03/07/22 10:58	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP15C
Date Collected: 03/04/22 00:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-27
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	390717	03/07/22 20:00	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	390809	03/08/22 18:35	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	390633	03/07/22 11:30	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	390726	03/08/22 05:08	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	390727	03/08/22 05:09	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			390892	03/09/22 21:25	JMO	TAL PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.43 g	100 mL	391021	03/09/22 14:59	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391203	03/10/22 20:50	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.87 g	100 mL	390571	03/06/22 08:10	RJR	TAL PIT
Total/NA	Analysis	EPA 7471B		1			390629	03/07/22 08:29	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	390980	03/09/22 12:19	PMH	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391361	03/11/22 19:28	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.23 g	10 mL	390949	03/09/22 14:00	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391332	03/11/22 13:07	CMR	TAL PIT
	Instrument ID: SEAL2									

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - CSC = Chayce Cockroft
  - KLG = Kathy Gordon
  - PMH = Paloma Hoelzle
  - RGM = Rebecca Manns
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - CMR = Carl Reagle
  - JMO = John Oravec
  - KLG = Kathy Gordon
  - NAF = Nicholas Frankos
  - PMH = Paloma Hoelzle
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A89A — Lab Sample ID: 180-134729-1

Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
2-Butanone (MEK)	ND	*1	0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Vinyl chloride	ND	*1	0.0054	0.0039	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/08/22 06:30	03/08/22 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*03/08/22 06:30*	*03/08/22 15:33*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*03/08/22 06:30*	*03/08/22 15:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*03/08/22 06:30*	*03/08/22 15:33*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*03/08/22 06:30*	*03/08/22 15:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**91.6**		0.1	0.1	%			03/07/22 10:29	1

Client Sample ID: SSHS-IRM5A2-A2-A89B — Lab Sample ID: 180-134729-2

Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 95.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.020	0.0040	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1

Client Sample ID: SSHS-IRM5A2-A2-A89B
Lab Sample ID: 180-134729-2
Date Collected: 03/04/22 11:40 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 95.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*1	0.0051	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Vinyl chloride	ND	*1	0.0051	0.0037	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	03/08/22 06:30	03/08/22 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*03/08/22 06:30*	*03/08/22 16:02*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*03/08/22 06:30*	*03/08/22 16:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*03/08/22 06:30*	*03/08/22 16:02*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/08/22 06:30*	*03/08/22 16:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**95.4**		0.1	0.1	%			03/07/22 10:29	1

Client Sample ID: SSHS-IRM5A2-A2-A89C
Lab Sample ID: 180-134729-3
Date Collected: 03/04/22 11:40 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 91.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Acenaphthylene	**0.015**		0.0072	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Anthracene	**0.015**		0.0072	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Benzo[a]anthracene	**0.056**		0.0072	0.0032	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1

Client Sample ID: SSHS-IRM5A2-A2-A89C **Lab Sample ID: 180-134729-3**
Date Collected: 03/04/22 11:40 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 91.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.057**		0.0072	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Benzo[b]fluoranthene	**0.069**		0.0072	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Benzo[g,h,i]perylene	**0.046**		0.0072	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Benzo[k]fluoranthene	**0.023**		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Chrysene	**0.054**		0.0072	0.0040	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Dibenz(a,h)anthracene	**0.012**		0.0072	0.0046	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Fluoranthene	**0.087**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Fluorene	**0.0025**	**J**	0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Indeno[1,2,3-cd]pyrene	**0.048**		0.0072	0.0035	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Naphthalene	**0.012**		0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Phenanthrene	**0.026**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Pyrene	**0.081**		0.0072	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*35 - 105*	*03/07/22 20:00*	*03/08/22 15:39*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*03/07/22 20:00*	*03/08/22 15:39*	*1*
Nitrobenzene-d5 (Surr)	*92*		*34 - 109*	*03/07/22 20:00*	*03/08/22 15:39*	*1*
Phenol-d5 (Surr)	*74*		*34 - 105*	*03/07/22 20:00*	*03/08/22 15:39*	*1*
Terphenyl-d14 (Surr)	*78*		*20 - 117*	*03/07/22 20:00*	*03/08/22 15:39*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*	*03/07/22 20:00*	*03/08/22 15:39*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1248	**0.12**		0.018	0.0042	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1254	**0.042**		0.018	0.0053	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*03/07/22 11:30*	*03/09/22 18:15*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/07/22 11:30*	*03/09/22 18:15*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A89C — Lab Sample ID: 180-134729-3

Date Collected: 03/04/22 11:40 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.7**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*03/07/22 11:30*	*03/09/22 18:15*	*1*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*	*03/07/22 11:30*	*03/09/22 18:15*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.1**		0.71	0.44	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Barium	**27**		14	2.5	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Beryllium	**0.20**	**J**	0.28	0.077	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Cadmium	**0.070**	**J**	0.35	0.052	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Chromium	**6.0**	**F1**	0.35	0.32	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Copper	**18**		1.8	1.1	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Lead	**7.1**		0.71	0.62	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Manganese	**340**		1.1	0.20	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Nickel	**12**		2.8	0.36	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Selenium	ND	F1	0.71	0.33	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Silver	ND	F1	0.35	0.074	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1
Zinc	**43**	**F1**	1.4	0.84	mg/Kg	☼	03/09/22 14:59	03/10/22 19:33	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.020	mg/Kg	☼	03/06/22 08:10	03/07/22 08:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**91.7**		0.1	0.1	%			03/07/22 10:29	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:19	1
Cyanide, Total	ND		0.45	0.35	mg/Kg	☼	03/09/22 14:00	03/11/22 12:50	1

Client Sample ID: SSHS-IRM5A2-A2-A90A — Lab Sample ID: 180-134729-4

Date Collected: 03/04/22 12:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.022	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
2-Butanone (MEK)	ND	*1	0.0054	0.0028	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1

Client Sample ID: SSHS-IRM5A2-A2-A90A

Lab Sample ID: 180-134729-4

Date Collected: 03/04/22 12:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Vinyl chloride	ND	*1	0.0054	0.0039	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	03/08/22 06:30	03/08/22 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*03/08/22 06:30*	*03/08/22 16:31*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*03/08/22 06:30*	*03/08/22 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*03/08/22 06:30*	*03/08/22 16:31*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/08/22 06:30*	*03/08/22 16:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**91.5**		0.1	0.1	%			03/07/22 10:29	1

Client Sample ID: SSHS-IRM5A2-A2-A90B

Lab Sample ID: 180-134729-5

Date Collected: 03/04/22 12:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.022	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
2-Butanone (MEK)	ND	*1	0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1

Client Sample ID: SSHS-IRM5A2-A2-A90B
Lab Sample ID: 180-134729-5
Date Collected: 03/04/22 12:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 94.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Tetrachloroethene	**0.0065**		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Trichloroethene	**0.025**		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Vinyl chloride	ND	*1	0.0054	0.0039	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	03/08/22 06:30	03/08/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*03/08/22 06:30*	*03/08/22 17:00*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*03/08/22 06:30*	*03/08/22 17:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*03/08/22 06:30*	*03/08/22 17:00*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*03/08/22 06:30*	*03/08/22 17:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**94.3**		0.1	0.1	%			03/07/22 10:29	1

Client Sample ID: SSHS-IRM5A2-A2-A90C
Lab Sample ID: 180-134729-6
Date Collected: 03/04/22 12:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 92.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0029**	**J**	0.0071	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Acenaphthylene	**0.049**		0.0071	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Anthracene	**0.039**		0.0071	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Benzo[a]anthracene	**0.064**		0.0071	0.0032	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Benzo[a]pyrene	**0.071**		0.0071	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Benzo[b]fluoranthene	**0.094**		0.0071	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Benzo[g,h,i]perylene	**0.088**		0.0071	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Benzo[k]fluoranthene	**0.030**		0.0071	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Chrysene	**0.068**		0.0071	0.0039	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Dibenz(a,h)anthracene	**0.018**		0.0071	0.0045	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Fluoranthene	**0.11**		0.0071	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Fluorene	**0.0056**	**J**	0.0071	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Indeno[1,2,3-cd]pyrene	**0.069**		0.0071	0.0035	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1

Client Sample ID: SSHS-IRM5A2-A2-A90C
Date Collected: 03/04/22 12:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-6
Matrix: Solid
Percent Solids: 92.4

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Naphthalene	**0.014**		0.0071	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Phenanthrene	**0.039**		0.0071	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Pyrene	**0.12**		0.0071	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*35 - 105*	*03/07/22 20:00*	*03/08/22 16:01*	*1*
2-Fluorophenol (Surr)	*74*		*32 - 105*	*03/07/22 20:00*	*03/08/22 16:01*	*1*
Nitrobenzene-d5 (Surr)	*92*		*34 - 109*	*03/07/22 20:00*	*03/08/22 16:01*	*1*
Phenol-d5 (Surr)	*74*		*34 - 105*	*03/07/22 20:00*	*03/08/22 16:01*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*03/07/22 20:00*	*03/08/22 16:01*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*	*03/07/22 20:00*	*03/08/22 16:01*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1248	**0.49**		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1254	**0.45**		0.018	0.0054	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/07/22 11:30*	*03/09/22 18:34*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/07/22 11:30*	*03/09/22 18:34*	*1*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*	*03/07/22 11:30*	*03/09/22 18:34*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*03/07/22 11:30*	*03/09/22 18:34*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.8**		0.78	0.49	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Barium	**37**		16	2.8	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Beryllium	**0.24**	**J**	0.31	0.085	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Cadmium	**0.077**	**J**	0.39	0.057	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Chromium	**7.0**		0.39	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Copper	**20**		1.9	1.2	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Lead	**10**		0.78	0.68	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Manganese	**320**		1.2	0.22	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Nickel	**13**		3.1	0.39	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Selenium	**0.38**	**J**	0.78	0.36	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1

Client Sample ID: SSHS-IRM5A2-A2-A90C
Lab Sample ID: 180-134729-6
Date Collected: 03/04/22 12:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 92.4**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.39	0.081	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1
Zinc	**50**		1.6	0.93	mg/Kg	☼	03/09/22 14:59	03/10/22 20:09	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	03/06/22 08:10	03/07/22 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**92.4**		0.1	0.1	%			03/07/22 10:29	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:13	1
Cyanide, Total	ND		0.47	0.36	mg/Kg	☼	03/09/22 14:00	03/11/22 12:51	1

Client Sample ID: SSHS-IRM5A2-A2-A91A
Lab Sample ID: 180-134729-7
Date Collected: 03/04/22 12:15 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 92.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
2-Butanone (MEK)	ND	*- *1	0.0050	0.0025	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,2-Dichloroethane	ND	*-	0.0050	0.0014	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Methyl tert-butyl ether	ND	*-	0.0050	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	03/09/22 08:30	03/09/22 14:29	1

Client Sample ID: SSHS-IRM5A2-A2-A91A — Lab Sample ID: 180-134729-7

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 92.6**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*03/09/22 08:30*	*03/09/22 14:29*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*03/09/22 08:30*	*03/09/22 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*03/09/22 08:30*	*03/09/22 14:29*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*03/09/22 08:30*	*03/09/22 14:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.4**		0.1	0.1	%			03/07/22 10:29	1
Percent Solids	**92.6**		0.1	0.1	%			03/07/22 10:29	1

Client Sample ID: SSHS-IRM5A2-A2-A91B — Lab Sample ID: 180-134729-8

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 92.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.022	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
2-Butanone (MEK)	ND	*1	0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Vinyl chloride	ND	*1	0.0054	0.0039	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	03/08/22 06:30	03/08/22 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*03/08/22 06:30*	*03/08/22 17:58*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/08/22 06:30*	*03/08/22 17:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*03/08/22 06:30*	*03/08/22 17:58*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A91B — Lab Sample ID: 180-134729-8

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 92.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*67 - 134*	*03/08/22 06:30*	*03/08/22 17:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.4**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**92.6**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A91C — Lab Sample ID: 180-134729-9

Date Collected: 03/04/22 12:15 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0050**	**J**	0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Acenaphthylene	**0.091**		0.0072	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Anthracene	**0.062**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Benzo[a]anthracene	**0.056**		0.0072	0.0032	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Benzo[a]pyrene	**0.073**		0.0072	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Benzo[b]fluoranthene	**0.11**		0.0072	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Benzo[g,h,i]perylene	**0.13**		0.0072	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Benzo[k]fluoranthene	**0.039**		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Chrysene	**0.077**		0.0072	0.0040	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Dibenz(a,h)anthracene	**0.023**		0.0072	0.0046	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Fluoranthene	**0.094**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Fluorene	**0.0078**		0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Indeno[1,2,3-cd]pyrene	**0.091**		0.0072	0.0036	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Naphthalene	**0.012**		0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Phenanthrene	**0.032**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Pyrene	**0.10**		0.0072	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*03/07/22 20:00*	*03/08/22 16:23*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*03/07/22 20:00*	*03/08/22 16:23*	*1*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*	*03/07/22 20:00*	*03/08/22 16:23*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*03/07/22 20:00*	*03/08/22 16:23*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*03/07/22 20:00*	*03/08/22 16:23*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A91C
Date Collected: 03/04/22 12:15
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-9
Matrix: Solid
Percent Solids: 91.9

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*20 - 119*	*03/07/22 20:00*	*03/08/22 16:23*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1248	**0.90**		0.018	0.0044	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1254	**0.22**		0.018	0.0054	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*03/07/22 11:30*	*03/09/22 18:53*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/07/22 11:30*	*03/09/22 18:53*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*03/07/22 11:30*	*03/09/22 18:53*	*1*
Tetrachloro-m-xylene (Surr)	*123*		*55 - 135*	*03/07/22 11:30*	*03/09/22 18:53*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.6**		0.73	0.45	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Barium	**29**		15	2.6	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Beryllium	**0.19**	**J**	0.29	0.079	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Cadmium	**0.089**	**J**	0.36	0.053	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Chromium	**6.1**		0.36	0.33	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Copper	**17**		1.8	1.1	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Lead	**7.0**		0.73	0.63	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Manganese	**390**		1.1	0.20	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Nickel	**13**		2.9	0.37	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Selenium	**0.42**	**J**	0.73	0.33	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Silver	ND		0.36	0.075	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1
Zinc	**41**		1.5	0.86	mg/Kg	☼	03/09/22 14:59	03/10/22 20:13	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.029	0.018	mg/Kg	☼	03/06/22 08:10	03/07/22 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.1**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**91.9**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:20	1
Cyanide, Total	ND		0.36	0.28	mg/Kg	☼	03/09/22 14:00	03/11/22 12:53	1

Client Sample ID: SSHS-IRM5A2-A2-A92A

Lab Sample ID: 180-134729-10

Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 93.7

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0041	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
2-Butanone (MEK)	ND	*1	0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Vinyl chloride	ND	*1	0.0052	0.0037	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/08/22 06:30	03/08/22 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*03/08/22 06:30*	*03/08/22 18:26*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*03/08/22 06:30*	*03/08/22 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*03/08/22 06:30*	*03/08/22 18:26*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/08/22 06:30*	*03/08/22 18:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.3		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	93.7		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A92B

Lab Sample ID: 180-134729-11

Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0041	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1

Client Sample ID: SSHS-IRM5A2-A2-A92B

Lab Sample ID: 180-134729-11
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.6

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*1	0.0053	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Vinyl chloride	ND	*1	0.0053	0.0038	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/08/22 06:30	03/08/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*03/08/22 06:30*	*03/08/22 18:55*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*03/08/22 06:30*	*03/08/22 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*03/08/22 06:30*	*03/08/22 18:55*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*03/08/22 06:30*	*03/08/22 18:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.4**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**92.6**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A92C

Lab Sample ID: 180-134729-12
Date Collected: 03/04/22 12:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 95.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0069	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Acenaphthylene	**0.021**		0.0069	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Anthracene	**0.012**		0.0069	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Benzo[a]anthracene	**0.011**		0.0069	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1

Client Sample ID: SSHS-IRM5A2-A2-A92C **Lab Sample ID: 180-134729-12**
Date Collected: 03/04/22 12:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 95.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.014**		0.0069	0.0030	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Benzo[b]fluoranthene	**0.022**		0.0069	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Benzo[g,h,i]perylene	**0.020**		0.0069	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Benzo[k]fluoranthene	**0.0052**	**J**	0.0069	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Chrysene	**0.014**		0.0069	0.0038	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Dibenz(a,h)anthracene	ND		0.0069	0.0044	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
2,4-Dinitrotoluene	ND		0.034	0.020	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Fluoranthene	**0.017**		0.0069	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Fluorene	**0.0020**	**J**	0.0069	0.0013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Hexachlorobenzene	ND		0.0069	0.0025	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Hexachlorobutadiene	ND		0.0069	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Indeno[1,2,3-cd]pyrene	**0.016**		0.0069	0.0034	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
2-Methylphenol	ND		0.034	0.0098	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Naphthalene	**0.0025**	**J**	0.0069	0.0013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Pentachlorophenol	ND		0.17	0.055	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Phenanthrene	**0.0066**	**J**	0.0069	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Pyrene	**0.020**		0.0069	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
Pyridine	ND		0.069	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*35 - 105*	*03/07/22 20:00*	*03/08/22 16:45*	*1*
2-Fluorophenol (Surr)	*84*		*32 - 105*	*03/07/22 20:00*	*03/08/22 16:45*	*1*
Nitrobenzene-d5 (Surr)	*79*		*34 - 109*	*03/07/22 20:00*	*03/08/22 16:45*	*1*
Phenol-d5 (Surr)	*78*		*34 - 105*	*03/07/22 20:00*	*03/08/22 16:45*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*03/07/22 20:00*	*03/08/22 16:45*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*20 - 119*	*03/07/22 20:00*	*03/08/22 16:45*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1232	ND		0.017	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1242	ND		0.017	0.0026	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1248	**0.50**		0.017	0.0042	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1254	**0.29**		0.017	0.0052	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1
PCB-1268	ND		0.017	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*120*		*63 - 138*	*03/07/22 11:30*	*03/09/22 19:12*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/07/22 11:30*	*03/09/22 19:12*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A92C — Lab Sample ID: 180-134729-12

Date Collected: 03/04/22 12:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 95.3**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*	*03/07/22 11:30*	*03/09/22 19:12*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*03/07/22 11:30*	*03/09/22 19:12*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		0.68	0.42	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Barium	**32**		14	2.4	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Beryllium	**0.20**	**J**	0.27	0.074	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Cadmium	**0.074**	**J**	0.34	0.050	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Chromium	**6.5**		0.34	0.31	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Copper	**17**		1.7	1.0	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Lead	**6.1**		0.68	0.59	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Manganese	**260**		1.0	0.19	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Nickel	**12**		2.7	0.34	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Selenium	**0.61**	**J**	0.68	0.31	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Silver	ND		0.34	0.070	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1
Zinc	**68**		1.4	0.81	mg/Kg	☼	03/09/22 14:59	03/10/22 20:18	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.015	mg/Kg	☼	03/06/22 08:10	03/07/22 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.7**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**95.3**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.42	0.22	mg/Kg	☼	03/09/22 12:19	03/11/22 19:23	1
Cyanide, Total	ND		0.48	0.36	mg/Kg	☼	03/09/22 14:00	03/11/22 12:55	1

Client Sample ID: SSHS-IRM5A2-A2-A93A — Lab Sample ID: 180-134729-13

Date Collected: 03/04/22 12:45 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 96.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
2-Butanone (MEK)	ND	*1	0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1

Client Sample ID: SSHS-IRM5A2-A2-A93A
Lab Sample ID: 180-134729-13

Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 96.5

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Vinyl chloride	ND	*1	0.0054	0.0039	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/08/22 06:30	03/08/22 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*03/08/22 06:30*	*03/08/22 19:24*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/08/22 06:30*	*03/08/22 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*03/08/22 06:30*	*03/08/22 19:24*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*03/08/22 06:30*	*03/08/22 19:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.5**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**96.5**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A93B
Lab Sample ID: 180-134729-14

Date Collected: 03/04/22 12:45
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 90.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.023	0.0044	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Benzene	ND		0.0057	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
2-Butanone (MEK)	ND	*1	0.0057	0.0029	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Carbon tetrachloride	ND		0.0057	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Chlorobenzene	ND		0.0057	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Chloroform	ND		0.0057	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
cis-1,2-Dichloroethene	ND		0.0057	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,2-Dichlorobenzene	ND		0.0057	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,3-Dichlorobenzene	ND		0.0057	0.0035	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,4-Dichlorobenzene	ND		0.0057	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,1-Dichloroethane	ND		0.0057	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,2-Dichloroethane	ND		0.0057	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,1-Dichloroethene	ND		0.0057	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Ethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Methylene Chloride	ND		0.0057	0.0051	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Methyl tert-butyl ether	ND		0.0057	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1

Client Sample ID: SSHS-IRM5A2-A2-A93B
Lab Sample ID: 180-134729-14
Date Collected: 03/04/22 12:45 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 90.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
N-Propylbenzene	ND		0.0057	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
sec-Butylbenzene	ND		0.0057	0.0028	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
tert-Butylbenzene	ND		0.0057	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Tetrachloroethene	ND		0.0057	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Toluene	ND		0.0057	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
trans-1,2-Dichloroethene	ND		0.0057	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,1,1-Trichloroethane	ND		0.0057	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Trichloroethene	**0.0024**	**J**	0.0057	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,2,4-Trimethylbenzene	ND		0.0057	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
1,3,5-Trimethylbenzene	ND		0.0057	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Vinyl chloride	ND	*1	0.0057	0.0041	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	03/08/22 06:30	03/08/22 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*03/08/22 06:30*	*03/08/22 19:53*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*03/08/22 06:30*	*03/08/22 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*03/08/22 06:30*	*03/08/22 19:53*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*03/08/22 06:30*	*03/08/22 19:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**90.2**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A93C
Lab Sample ID: 180-134729-15
Date Collected: 03/04/22 12:45 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 92.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0026**	**J**	0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Acenaphthylene	**0.075**		0.0072	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Anthracene	**0.054**		0.0072	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Benzo[a]anthracene	**0.053**		0.0072	0.0032	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Benzo[a]pyrene	**0.069**		0.0072	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Benzo[b]fluoranthene	**0.10**		0.0072	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Benzo[g,h,i]perylene	**0.11**		0.0072	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Benzo[k]fluoranthene	**0.032**		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Chrysene	**0.066**		0.0072	0.0040	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Dibenz(a,h)anthracene	**0.023**		0.0072	0.0046	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Fluoranthene	**0.078**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Fluorene	**0.0075**		0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Indeno[1,2,3-cd]pyrene	**0.090**		0.0072	0.0035	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1

Client Sample ID: SSHS-IRM5A2-A2-A93C
Date Collected: 03/04/22 12:45
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-15
Matrix: Solid
Percent Solids: 92.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Naphthalene	**0.012**		0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Phenanthrene	**0.029**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Pyrene	**0.090**		0.0072	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*35 - 105*	*03/07/22 20:00*	*03/08/22 17:07*	*1*
2-Fluorophenol (Surr)	*77*		*32 - 105*	*03/07/22 20:00*	*03/08/22 17:07*	*1*
Nitrobenzene-d5 (Surr)	*86*		*34 - 109*	*03/07/22 20:00*	*03/08/22 17:07*	*1*
Phenol-d5 (Surr)	*77*		*34 - 105*	*03/07/22 20:00*	*03/08/22 17:07*	*1*
Terphenyl-d14 (Surr)	*74*		*20 - 117*	*03/07/22 20:00*	*03/08/22 17:07*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*03/07/22 20:00*	*03/08/22 17:07*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1248	**2.0**		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1254	**0.49**		0.018	0.0053	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/07/22 11:30*	*03/09/22 20:09*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/07/22 11:30*	*03/09/22 20:09*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*03/07/22 11:30*	*03/09/22 20:09*	*1*
Tetrachloro-m-xylene (Surr)	*122*		*55 - 135*	*03/07/22 11:30*	*03/09/22 20:09*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.3**		0.73	0.46	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Barium	**38**		15	2.6	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Beryllium	**0.21**	**J**	0.29	0.080	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Cadmium	**0.070**	**J**	0.37	0.054	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Chromium	**6.7**		0.37	0.33	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Copper	**16**		1.8	1.1	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Lead	**8.1**		0.73	0.64	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Manganese	**260**		1.1	0.20	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Nickel	**12**		2.9	0.37	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Selenium	**0.51**	**J**	0.73	0.34	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1

Client Sample ID: SSHS-IRM5A2-A2-A93C
Lab Sample ID: 180-134729-15
Date Collected: 03/04/22 12:45 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 92.3**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.37	0.076	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1
Zinc	**45**		1.5	0.87	mg/Kg	☼	03/09/22 14:59	03/10/22 20:22	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	03/06/22 08:10	03/07/22 08:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**92.3**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:24	1
Cyanide, Total	ND		0.40	0.30	mg/Kg	☼	03/09/22 14:00	03/11/22 12:57	1

Client Sample ID: SSHS-IRM5A2-A2-A94A
Lab Sample ID: 180-134729-16
Date Collected: 03/04/22 15:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 94.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0040	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
2-Butanone (MEK)	ND	*1	0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Trichloroethene	**0.0022**	**J**	0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Vinyl chloride	ND	*1	0.0052	0.0037	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/08/22 06:30	03/08/22 20:22	1

Client Sample ID: SSHS-IRM5A2-A2-A94A

Lab Sample ID: 180-134729-16

Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 94.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*03/08/22 06:30*	*03/08/22 20:22*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*03/08/22 06:30*	*03/08/22 20:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*03/08/22 06:30*	*03/08/22 20:22*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*03/08/22 06:30*	*03/08/22 20:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.1**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**94.9**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A94B

Lab Sample ID: 180-134729-17

Date Collected: 03/04/22 15:30
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 91.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.022	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
2-Butanone (MEK)	ND	*1	0.0054	0.0028	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Chloroform	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,3-Dichlorobenzene	ND		0.0054	0.0034	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,2-Dichloroethane	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,1-Dichloroethene	ND		0.0054	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
sec-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Toluene	ND		0.0054	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Vinyl chloride	ND	*1	0.0054	0.0039	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	03/08/22 06:30	03/08/22 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*03/08/22 06:30*	*03/08/22 20:50*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/08/22 06:30*	*03/08/22 20:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*03/08/22 06:30*	*03/08/22 20:50*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A94B — Lab Sample ID: 180-134729-17

Date Collected: 03/04/22 15:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*67 - 134*	*03/08/22 06:30*	*03/08/22 20:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.1**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**91.9**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A94C — Lab Sample ID: 180-134729-18

Date Collected: 03/04/22 15:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 93.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Acenaphthylene	**0.0061**	**J**	0.0071	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Anthracene	**0.0035**	**J**	0.0071	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Benzo[a]anthracene	**0.0036**	**J**	0.0071	0.0032	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Benzo[a]pyrene	**0.0036**	**J**	0.0071	0.0030	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Benzo[b]fluoranthene	**0.0051**	**J**	0.0071	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Benzo[g,h,i]perylene	**0.0074**		0.0071	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Chrysene	**0.0042**	**J**	0.0071	0.0039	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Fluoranthene	**0.0046**	**J**	0.0071	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Indeno[1,2,3-cd]pyrene	**0.0050**	**J**	0.0071	0.0035	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Phenanthrene	**0.0033**	**J**	0.0071	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Pyrene	**0.0055**	**J**	0.0071	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*35 - 105*	*03/07/22 20:00*	*03/08/22 17:29*	*1*
2-Fluorophenol (Surr)	*66*		*32 - 105*	*03/07/22 20:00*	*03/08/22 17:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*03/07/22 20:00*	*03/08/22 17:29*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*03/07/22 20:00*	*03/08/22 17:29*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*03/07/22 20:00*	*03/08/22 17:29*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A94C
Lab Sample ID: 180-134729-18
Date Collected: 03/04/22 15:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 93.7**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*44*		*20 - 119*	*03/07/22 20:00*	*03/08/22 17:29*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1248	**0.046**		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1254	**0.013**	**J**	0.018	0.0053	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*03/07/22 11:30*	*03/09/22 20:28*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*03/07/22 11:30*	*03/09/22 20:28*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*03/07/22 11:30*	*03/09/22 20:28*	*1*
Tetrachloro-m-xylene (Surr)	*122*		*55 - 135*	*03/07/22 11:30*	*03/09/22 20:28*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.7**		0.77	0.48	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Barium	**36**		15	2.7	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Beryllium	**0.19**	**J**	0.31	0.084	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Cadmium	**0.088**	**J**	0.38	0.056	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Chromium	**5.7**		0.38	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Copper	**17**		1.9	1.2	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Lead	**6.2**		0.77	0.67	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Manganese	**330**		1.2	0.21	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Nickel	**12**		3.1	0.39	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Selenium	**0.72**	**J**	0.77	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Silver	ND		0.38	0.080	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1
Zinc	**42**		1.5	0.91	mg/Kg	☼	03/09/22 14:59	03/10/22 20:27	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.028	0.018	mg/Kg	☼	03/06/22 08:10	03/07/22 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.3**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**93.7**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.42	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:25	1
Cyanide, Total	ND		0.41	0.31	mg/Kg	☼	03/09/22 14:00	03/11/22 12:58	1

Client Sample ID: SSHS-IRM5A2-A2-A95A

Lab Sample ID: 180-134729-19

Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 92.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0041	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
2-Butanone (MEK)	ND	*1	0.0053	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Vinyl chloride	ND	*1	0.0053	0.0038	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/08/22 06:30	03/08/22 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*03/08/22 06:30*	*03/08/22 21:19*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*03/08/22 06:30*	*03/08/22 21:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*03/08/22 06:30*	*03/08/22 21:19*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*03/08/22 06:30*	*03/08/22 21:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**92.9**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A95B

Lab Sample ID: 180-134729-20

Date Collected: 03/04/22 16:00
Matrix: Solid
Date Received: 03/05/22 09:00
Percent Solids: 95.3

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1

Client Sample ID: SSHS-IRM5A2-A2-A95B
Lab Sample ID: 180-134729-20
Date Collected: 03/04/22 16:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 95.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*- *1	0.0052	0.0026	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,2-Dichloroethane	ND	*-	0.0052	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Methyl tert-butyl ether	ND	*-	0.0052	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/09/22 08:30	03/09/22 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*03/09/22 08:30*	*03/09/22 14:57*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*03/09/22 08:30*	*03/09/22 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*03/09/22 08:30*	*03/09/22 14:57*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*03/09/22 08:30*	*03/09/22 14:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.7**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**95.3**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A95C
Lab Sample ID: 180-134729-21
Date Collected: 03/04/22 16:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 93.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Acenaphthylene	**0.011**		0.0070	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Anthracene	**0.0073**		0.0070	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Benzo[a]anthracene	**0.0062**	**J**	0.0070	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1

Client Sample ID: SSHS-IRM5A2-A2-A95C **Lab Sample ID: 180-134729-21**
Date Collected: 03/04/22 16:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 93.9**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0067**	**J**	0.0070	0.0030	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Benzo[b]fluoranthene	**0.010**		0.0070	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Benzo[g,h,i]perylene	**0.014**		0.0070	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Benzo[k]fluoranthene	**0.0047**	**J**	0.0070	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Chrysene	**0.0076**		0.0070	0.0039	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Fluoranthene	**0.0098**		0.0070	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Fluorene	**0.0014**	**J**	0.0070	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Indeno[1,2,3-cd]pyrene	**0.011**		0.0070	0.0035	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
2-Methylphenol	ND		0.034	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Naphthalene	**0.0014**	**J**	0.0070	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Phenanthrene	**0.0040**	**J**	0.0070	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Phenol	ND		0.034	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Pyrene	**0.011**		0.0070	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*03/07/22 20:00*	*03/08/22 17:51*	*1*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*03/07/22 20:00*	*03/08/22 17:51*	*1*
Nitrobenzene-d5 (Surr)	*96*		*34 - 109*	*03/07/22 20:00*	*03/08/22 17:51*	*1*
Phenol-d5 (Surr)	*66*		*34 - 105*	*03/07/22 20:00*	*03/08/22 17:51*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*03/07/22 20:00*	*03/08/22 17:51*	*1*
2,4,6-Tribromophenol (Surr)	*37*		*20 - 119*	*03/07/22 20:00*	*03/08/22 17:51*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1248	**0.39**		0.017	0.0041	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1254	**0.22**		0.017	0.0052	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/07/22 11:30	03/09/22 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/07/22 11:30*	*03/09/22 20:47*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/07/22 11:30*	*03/09/22 20:47*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A95C — Lab Sample ID: 180-134729-21

Date Collected: 03/04/22 16:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 93.9**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*03/07/22 11:30*	*03/09/22 20:47*	*1*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*03/07/22 11:30*	*03/09/22 20:47*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		0.83	0.52	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Barium	**32**		17	3.0	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Beryllium	**0.17**	**J**	0.33	0.091	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Cadmium	**0.11**	**J**	0.42	0.061	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Chromium	**5.3**		0.42	0.38	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Copper	**15**		2.1	1.3	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Lead	**6.7**		0.83	0.72	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Manganese	**320**		1.2	0.23	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Nickel	**11**		3.3	0.42	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Selenium	**0.99**		0.83	0.38	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Silver	ND		0.42	0.087	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1
Zinc	**42**		1.7	0.99	mg/Kg	☼	03/09/22 14:59	03/10/22 20:32	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	03/06/22 08:10	03/07/22 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.1**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**93.9**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:26	1
Cyanide, Total	ND		0.39	0.30	mg/Kg	☼	03/09/22 14:00	03/11/22 13:00	1

Client Sample ID: SSHS-IRM5A2-A2-A96A — Lab Sample ID: 180-134729-22

Date Collected: 03/04/22 16:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 95.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0040	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
2-Butanone (MEK)	ND	*1	0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,4-Dichlorobenzene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1

Client Sample ID: SSHS-IRM5A2-A2-A96A
Lab Sample ID: 180-134729-22
Date Collected: 03/04/22 16:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 95.5**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Vinyl chloride	ND	*1	0.0052	0.0037	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	03/08/22 06:30	03/08/22 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*03/08/22 06:30*	*03/08/22 22:15*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*	*03/08/22 06:30*	*03/08/22 22:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*03/08/22 06:30*	*03/08/22 22:15*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*03/08/22 06:30*	*03/08/22 22:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.5**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**95.5**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A96B
Lab Sample ID: 180-134729-23
Date Collected: 03/04/22 16:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 94.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0042	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
2-Butanone (MEK)	ND	*- *1	0.0054	0.0027	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,2-Dichloroethane	ND	*-	0.0054	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Methyl tert-butyl ether	ND	*-	0.0054	0.0016	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1

Client Sample ID: SSHS-IRM5A2-A2-A96B
Lab Sample ID: 180-134729-23
Date Collected: 03/04/22 16:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 94.9**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/09/22 08:30	03/09/22 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*03/09/22 08:30*	*03/09/22 15:26*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*	*03/09/22 08:30*	*03/09/22 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*03/09/22 08:30*	*03/09/22 15:26*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*03/09/22 08:30*	*03/09/22 15:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.1**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**94.9**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A96C
Lab Sample ID: 180-134729-24
Date Collected: 03/04/22 16:30 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 94.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0069	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Acenaphthylene	**0.0068**	**J**	0.0069	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Anthracene	**0.0043**	**J**	0.0069	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Benzo[a]anthracene	**0.0038**	**J**	0.0069	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Benzo[a]pyrene	**0.0052**	**J**	0.0069	0.0030	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Benzo[b]fluoranthene	**0.0063**	**J**	0.0069	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Benzo[g,h,i]perylene	**0.0094**		0.0069	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Benzo[k]fluoranthene	**0.0026**	**J**	0.0069	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Chrysene	**0.0046**	**J**	0.0069	0.0038	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Dibenz(a,h)anthracene	ND		0.0069	0.0044	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Fluoranthene	**0.0046**	**J**	0.0069	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Fluorene	ND		0.0069	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Hexachlorobenzene	ND		0.0069	0.0025	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Hexachlorobutadiene	ND		0.0069	0.0020	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Indeno[1,2,3-cd]pyrene	**0.0062**	**J**	0.0069	0.0034	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1

Client Sample ID: SSHS-IRM5A2-A2-A96C
Date Collected: 03/04/22 16:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134729-24
Matrix: Solid
Percent Solids: 94.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Naphthalene	ND		0.0069	0.0013	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Pentachlorophenol	ND		0.18	0.055	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Phenanthrene	**0.0028**	**J**	0.0069	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Pyrene	**0.0060**	**J**	0.0069	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
Pyridine	ND		0.069	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*35 - 105*	*03/07/22 20:00*	*03/08/22 18:13*	*1*
2-Fluorophenol (Surr)	*70*		*32 - 105*	*03/07/22 20:00*	*03/08/22 18:13*	*1*
Nitrobenzene-d5 (Surr)	*90*		*34 - 109*	*03/07/22 20:00*	*03/08/22 18:13*	*1*
Phenol-d5 (Surr)	*73*		*34 - 105*	*03/07/22 20:00*	*03/08/22 18:13*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*03/07/22 20:00*	*03/08/22 18:13*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*03/07/22 20:00*	*03/08/22 18:13*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1248	**0.15**		0.017	0.0042	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1254	**0.085**		0.017	0.0052	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/07/22 11:30	03/09/22 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*03/07/22 11:30*	*03/09/22 21:06*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/07/22 11:30*	*03/09/22 21:06*	*1*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*03/07/22 11:30*	*03/09/22 21:06*	*1*
Tetrachloro-m-xylene (Surr)	*125*		*55 - 135*	*03/07/22 11:30*	*03/09/22 21:06*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		0.76	0.48	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Barium	**35**		15	2.7	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Beryllium	**0.17**	**J**	0.31	0.083	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Cadmium	**0.086**	**J**	0.38	0.056	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Chromium	**6.0**		0.38	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Copper	**19**		1.9	1.2	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Lead	**7.1**		0.76	0.67	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Manganese	**320**		1.1	0.21	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Nickel	**11**		3.1	0.39	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Selenium	**0.74**	**J**	0.76	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1

Client Sample ID: SSHS-IRM5A2-A2-A96C — Lab Sample ID: 180-134729-24

Date Collected: 03/04/22 16:30 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 94.1**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.38	0.079	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1
Zinc	**47**		1.5	0.91	mg/Kg	☼	03/09/22 14:59	03/10/22 20:46	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	03/06/22 08:10	03/07/22 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**94.1**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.42	0.22	mg/Kg	☼	03/09/22 12:19	03/11/22 19:27	1
Cyanide, Total	ND		0.38	0.29	mg/Kg	☼	03/09/22 14:00	03/11/22 13:05	1

Client Sample ID: SSHS-IRM5A2-A2-DUP15A — Lab Sample ID: 180-134729-25

Date Collected: 03/04/22 00:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.8**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.021	0.0042	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
2-Butanone (MEK)	ND	*1	0.0053	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Vinyl chloride	ND	*1	0.0053	0.0038	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	03/08/22 06:30	03/08/22 23:12	1

Client Sample ID: SSHS-IRM5A2-A2-DUP15A — Lab Sample ID: 180-134729-25

Date Collected: 03/04/22 00:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.8**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*03/08/22 06:30*	*03/08/22 23:12*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*03/08/22 06:30*	*03/08/22 23:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*03/08/22 06:30*	*03/08/22 23:12*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*03/08/22 06:30*	*03/08/22 23:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**91.8**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-DUP15B — Lab Sample ID: 180-134729-26

Date Collected: 03/04/22 00:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 90.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.022	0.0043	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Benzene	ND		0.0055	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
2-Butanone (MEK)	ND	*1	0.0055	0.0028	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,2-Dichlorobenzene	ND		0.0055	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,4-Dichlorobenzene	ND		0.0055	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Methylene Chloride	ND		0.0055	0.0050	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0021	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Vinyl chloride	ND	*1	0.0055	0.0040	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	03/08/22 06:30	03/08/22 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*03/08/22 06:30*	*03/08/22 23:40*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/08/22 06:30*	*03/08/22 23:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*03/08/22 06:30*	*03/08/22 23:40*	*1*

Client Sample ID: SSHS-IRM5A2-A2-DUP15B — Lab Sample ID: 180-134729-26

Date Collected: 03/04/22 00:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 90.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*104*		*67 - 134*	*03/08/22 06:30*	*03/08/22 23:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**90.2**		0.1	0.1	%			03/07/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-DUP15C — Lab Sample ID: 180-134729-27

Date Collected: 03/04/22 00:00 — **Matrix: Solid**
Date Received: 03/05/22 09:00 — **Percent Solids: 91.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Acenaphthylene	**0.015**		0.0072	0.0016	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Anthracene	**0.0097**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Benzo[a]anthracene	**0.030**		0.0072	0.0032	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Benzo[a]pyrene	**0.035**		0.0072	0.0031	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Benzo[b]fluoranthene	**0.036**		0.0072	0.0018	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Benzo[g,h,i]perylene	**0.041**		0.0072	0.0015	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Benzo[k]fluoranthene	**0.014**		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Chrysene	**0.030**		0.0072	0.0040	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Dibenz(a,h)anthracene	**0.0089**		0.0072	0.0046	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Fluoranthene	**0.041**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Fluorene	**0.0019**	**J**	0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Indeno[1,2,3-cd]pyrene	**0.037**		0.0072	0.0036	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Naphthalene	**0.0063**	**J**	0.0072	0.0014	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Phenanthrene	**0.017**		0.0072	0.0019	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Pyrene	**0.041**		0.0072	0.0017	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/07/22 20:00	03/08/22 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*81*		*35 - 105*	*03/07/22 20:00*	*03/08/22 18:35*	*1*
2-Fluorophenol (Surr)	*74*		*32 - 105*	*03/07/22 20:00*	*03/08/22 18:35*	*1*
Nitrobenzene-d5 (Surr)	*96*		*34 - 109*	*03/07/22 20:00*	*03/08/22 18:35*	*1*
Phenol-d5 (Surr)	*67*		*34 - 105*	*03/07/22 20:00*	*03/08/22 18:35*	*1*
Terphenyl-d14 (Surr)	*71*		*20 - 117*	*03/07/22 20:00*	*03/08/22 18:35*	*1*

Client Sample ID: SSHS-IRM5A2-A2-DUP15C
Lab Sample ID: 180-134729-27
Date Collected: 03/04/22 00:00 **Matrix: Solid**
Date Received: 03/05/22 09:00 **Percent Solids: 91.4**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*03/07/22 20:00*	*03/08/22 18:35*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1248	**0.18**		0.018	0.0043	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1254	**0.067**		0.018	0.0054	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1260	ND		0.018	0.0052	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/07/22 11:30	03/09/22 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/07/22 11:30*	*03/09/22 21:25*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/07/22 11:30*	*03/09/22 21:25*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*03/07/22 11:30*	*03/09/22 21:25*	*1*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*03/07/22 11:30*	*03/09/22 21:25*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		0.77	0.48	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Barium	**45**		15	2.7	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Beryllium	**0.25**	**J**	0.31	0.083	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Cadmium	**0.096**	**J**	0.38	0.056	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Chromium	**8.1**		0.38	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Copper	**25**		1.9	1.2	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Lead	**17**		0.77	0.67	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Manganese	**480**		1.1	0.21	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Nickel	**14**		3.1	0.39	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Selenium	**0.89**		0.77	0.35	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Silver	ND		0.38	0.080	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1
Zinc	**62**		1.5	0.91	mg/Kg	☼	03/09/22 14:59	03/10/22 20:50	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.025	0.016	mg/Kg	☼	03/06/22 08:10	03/07/22 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.1	0.1	%			03/07/22 10:58	1
Percent Solids	**91.4**		0.1	0.1	%			03/07/22 10:58	1
Hexavalent chromium	ND		0.44	0.23	mg/Kg	☼	03/09/22 12:19	03/11/22 19:28	1
Cyanide, Total	ND		0.48	0.36	mg/Kg	☼	03/09/22 14:00	03/11/22 13:07	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-390738/6
Matrix: Solid
Analysis Batch: 390738

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/08/22 15:04	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/08/22 15:04	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/08/22 15:04	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/08/22 15:04	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/08/22 15:04	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/08/22 15:04	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/08/22 15:04	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/08/22 15:04	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/08/22 15:04	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/08/22 15:04	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/08/22 15:04	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/08/22 15:04	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/08/22 15:04	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/08/22 15:04	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/08/22 15:04	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/08/22 15:04	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/08/22 15:04	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/08/22 15:04	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/08/22 15:04	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/08/22 15:04	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/08/22 15:04	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/08/22 15:04	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/08/22 15:04	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/08/22 15:04	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/08/22 15:04	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/08/22 15:04	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/08/22 15:04	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/08/22 15:04	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/08/22 15:04	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/08/22 15:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*03/08/22 15:04*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*		*03/08/22 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*		*03/08/22 15:04*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*		*03/08/22 15:04*	*1*

Lab Sample ID: LCS 180-390738/3
Matrix: Solid
Analysis Batch: 390738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0558		mg/Kg		139	23 - 170
Benzene	0.0400	0.0368		mg/Kg		92	77 - 120
2-Butanone (MEK)	0.0400	0.0334		mg/Kg		83	39 - 157
Carbon tetrachloride	0.0400	0.0428		mg/Kg		107	73 - 130
Chlorobenzene	0.0400	0.0363		mg/Kg		91	79 - 122
Chloroform	0.0400	0.0367		mg/Kg		92	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-390738/3
Matrix: Solid
Analysis Batch: 390738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0388		mg/Kg		97	77 - 118
1,2-Dichlorobenzene	0.0400	0.0397		mg/Kg		99	76 - 120
1,3-Dichlorobenzene	0.0400	0.0373		mg/Kg		93	77 - 121
1,4-Dichlorobenzene	0.0400	0.0377		mg/Kg		94	79 - 120
1,1-Dichloroethane	0.0400	0.0392		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0358		mg/Kg		89	64 - 140
1,1-Dichloroethene	0.0400	0.0455		mg/Kg		114	55 - 136
1,4-Dioxane	0.800	1.08	E	mg/Kg		135	18 - 166
Ethylbenzene	0.0400	0.0378		mg/Kg		94	79 - 119
Methylene Chloride	0.0400	0.0493		mg/Kg		123	67 - 131
Methyl tert-butyl ether	0.0400	0.0329		mg/Kg		82	58 - 132
n-Butylbenzene	0.0400	0.0390		mg/Kg		97	64 - 136
N-Propylbenzene	0.0400	0.0324		mg/Kg		81	71 - 127
sec-Butylbenzene	0.0400	0.0336		mg/Kg		84	65 - 130
tert-Butylbenzene	0.0400	0.0319		mg/Kg		80	69 - 133
Tetrachloroethene	0.0400	0.0348		mg/Kg		87	71 - 121
Toluene	0.0400	0.0361		mg/Kg		90	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0389		mg/Kg		97	75 - 122
1,1,1-Trichloroethane	0.0400	0.0406		mg/Kg		101	72 - 134
Trichloroethene	0.0400	0.0364		mg/Kg		91	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0337		mg/Kg		84	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0325		mg/Kg		81	69 - 131
Vinyl chloride	0.0400	0.0445		mg/Kg		111	64 - 134
Xylenes, Total	0.0800	0.0778		mg/Kg		97	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

Lab Sample ID: LCSD 180-390738/4
Matrix: Solid
Analysis Batch: 390738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.0400	0.0228	*1	mg/Kg		57	23 - 170	84	35
Benzene	0.0400	0.0374		mg/Kg		94	77 - 120	2	20
2-Butanone (MEK)	0.0400	0.0205	*1	mg/Kg		51	39 - 157	48	33
Carbon tetrachloride	0.0400	0.0354		mg/Kg		89	73 - 130	19	21
Chlorobenzene	0.0400	0.0365		mg/Kg		91	79 - 122	0	20
Chloroform	0.0400	0.0355		mg/Kg		89	73 - 126	3	20
cis-1,2-Dichloroethene	0.0400	0.0340		mg/Kg		85	77 - 118	13	20
1,2-Dichlorobenzene	0.0400	0.0369		mg/Kg		92	76 - 120	7	20
1,3-Dichlorobenzene	0.0400	0.0355		mg/Kg		89	77 - 121	5	20
1,4-Dichlorobenzene	0.0400	0.0366		mg/Kg		92	79 - 120	3	20
1,1-Dichloroethane	0.0400	0.0357		mg/Kg		89	73 - 124	9	20
1,2-Dichloroethane	0.0400	0.0353		mg/Kg		88	64 - 140	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-390738/4
Matrix: Solid
Analysis Batch: 390738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0367		mg/Kg		92	55 - 136	21	21
1,4-Dioxane			0.800	0.785	J	mg/Kg		98	18 - 166	31	40
Ethylbenzene			0.0400	0.0376		mg/Kg		94	79 - 119	0	20
Methylene Chloride			0.0400	0.0396		mg/Kg		99	67 - 131	22	32
Methyl tert-butyl ether			0.0400	0.0305		mg/Kg		76	58 - 132	8	24
n-Butylbenzene			0.0400	0.0361		mg/Kg		90	64 - 136	8	21
N-Propylbenzene			0.0400	0.0314		mg/Kg		79	71 - 127	3	20
sec-Butylbenzene			0.0400	0.0322		mg/Kg		81	65 - 130	4	20
tert-Butylbenzene			0.0400	0.0317		mg/Kg		79	69 - 133	1	23
Tetrachloroethene			0.0400	0.0409		mg/Kg		102	71 - 121	16	21
Toluene			0.0400	0.0423		mg/Kg		106	76 - 120	16	20
trans-1,2-Dichloroethene			0.0400	0.0354		mg/Kg		89	75 - 122	9	20
1,1,1-Trichloroethane			0.0400	0.0335		mg/Kg		84	72 - 134	19	20
Trichloroethene			0.0400	0.0350		mg/Kg		88	69 - 118	4	20
1,2,4-Trimethylbenzene			0.0400	0.0320		mg/Kg		80	74 - 127	5	20
1,3,5-Trimethylbenzene			0.0400	0.0318		mg/Kg		79	69 - 131	2	20
Vinyl chloride			0.0400	0.0294	*1	mg/Kg		73	64 - 134	41	23
Xylenes, Total			0.0800	0.0744		mg/Kg		93	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*89*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: MB 180-390900/6
Matrix: Solid
Analysis Batch: 390900

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/09/22 12:04	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/09/22 12:04	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/09/22 12:04	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/09/22 12:04	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/09/22 12:04	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/09/22 12:04	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/09/22 12:04	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/09/22 12:04	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/09/22 12:04	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/09/22 12:04	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/09/22 12:04	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/09/22 12:04	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/09/22 12:04	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/09/22 12:04	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/09/22 12:04	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/09/22 12:04	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/09/22 12:04	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/09/22 12:04	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-390900/6
Matrix: Solid
Analysis Batch: 390900

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/09/22 12:04	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/09/22 12:04	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/09/22 12:04	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/09/22 12:04	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/09/22 12:04	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/09/22 12:04	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/09/22 12:04	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/09/22 12:04	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/09/22 12:04	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/09/22 12:04	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/09/22 12:04	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/09/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*		*03/09/22 12:04*	*1*
Dibromofluoromethane (Surr)	*79*		*69 - 126*		*03/09/22 12:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*		*03/09/22 12:04*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*		*03/09/22 12:04*	*1*

Lab Sample ID: LCS 180-390900/3
Matrix: Solid
Analysis Batch: 390900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0264		mg/Kg		66	23 - 170
Benzene	0.0400	0.0344		mg/Kg		86	77 - 120
2-Butanone (MEK)	0.0400	0.0197		mg/Kg		49	39 - 157
Carbon tetrachloride	0.0400	0.0409		mg/Kg		102	73 - 130
Chlorobenzene	0.0400	0.0350		mg/Kg		87	79 - 122
Chloroform	0.0400	0.0341		mg/Kg		85	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0334		mg/Kg		84	77 - 118
1,2-Dichlorobenzene	0.0400	0.0356		mg/Kg		89	76 - 120
1,3-Dichlorobenzene	0.0400	0.0366		mg/Kg		92	77 - 121
1,4-Dichlorobenzene	0.0400	0.0363		mg/Kg		91	79 - 120
1,1-Dichloroethane	0.0400	0.0370		mg/Kg		93	73 - 124
1,2-Dichloroethane	0.0400	0.0252	*-	mg/Kg		63	64 - 140
1,1-Dichloroethene	0.0400	0.0391		mg/Kg		98	55 - 136
1,4-Dioxane	0.800	0.259	J	mg/Kg		32	18 - 166
Ethylbenzene	0.0400	0.0395		mg/Kg		99	79 - 119
Methylene Chloride	0.0400	0.0372		mg/Kg		93	67 - 131
Methyl tert-butyl ether	0.0400	0.0190	*-	mg/Kg		47	58 - 132
n-Butylbenzene	0.0400	0.0463		mg/Kg		116	64 - 136
N-Propylbenzene	0.0400	0.0343		mg/Kg		86	71 - 127
sec-Butylbenzene	0.0400	0.0391		mg/Kg		98	65 - 130
tert-Butylbenzene	0.0400	0.0359		mg/Kg		90	69 - 133
Tetrachloroethene	0.0400	0.0412		mg/Kg		103	71 - 121
Toluene	0.0400	0.0395		mg/Kg		99	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0365		mg/Kg		91	75 - 122

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-390900/3
Matrix: Solid
Analysis Batch: 390900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			0.0400	0.0373		mg/Kg		93	72 - 134		
Trichloroethene			0.0400	0.0342		mg/Kg		85	69 - 118		
1,2,4-Trimethylbenzene			0.0400	0.0355		mg/Kg		89	74 - 127		
1,3,5-Trimethylbenzene			0.0400	0.0344		mg/Kg		86	69 - 131		
Vinyl chloride			0.0400	0.0454		mg/Kg		114	64 - 134		
Xylenes, Total			0.0800	0.0797		mg/Kg		100	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*79*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*67*	*S1-*	*73 - 135*
Toluene-d8 (Surr)	*104*		*67 - 134*

Lab Sample ID: LCSD 180-390900/4
Matrix: Solid
Analysis Batch: 390900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			0.0400	0.0229		mg/Kg		57	23 - 170	14	35
Benzene			0.0400	0.0332		mg/Kg		83	77 - 120	4	20
2-Butanone (MEK)			0.0400	0.0139	*- *1	mg/Kg		35	39 - 157	34	33
Carbon tetrachloride			0.0400	0.0347		mg/Kg		87	73 - 130	16	21
Chlorobenzene			0.0400	0.0346		mg/Kg		87	79 - 122	1	20
Chloroform			0.0400	0.0324		mg/Kg		81	73 - 126	5	20
cis-1,2-Dichloroethene			0.0400	0.0319		mg/Kg		80	77 - 118	5	20
1,2-Dichlorobenzene			0.0400	0.0335		mg/Kg		84	76 - 120	6	20
1,3-Dichlorobenzene			0.0400	0.0359		mg/Kg		90	77 - 121	2	20
1,4-Dichlorobenzene			0.0400	0.0354		mg/Kg		88	79 - 120	3	20
1,1-Dichloroethane			0.0400	0.0373		mg/Kg		93	73 - 124	1	20
1,2-Dichloroethane			0.0400	0.0257		mg/Kg		64	64 - 140	2	20
1,1-Dichloroethene			0.0400	0.0378		mg/Kg		95	55 - 136	3	21
1,4-Dioxane			0.800	0.210	J	mg/Kg		26	18 - 166	21	40
Ethylbenzene			0.0400	0.0400		mg/Kg		100	79 - 119	1	20
Methylene Chloride			0.0400	0.0363		mg/Kg		91	67 - 131	3	32
Methyl tert-butyl ether			0.0400	0.0198	*-	mg/Kg		50	58 - 132	5	24
n-Butylbenzene			0.0400	0.0455		mg/Kg		114	64 - 136	2	21
N-Propylbenzene			0.0400	0.0392		mg/Kg		98	71 - 127	13	20
sec-Butylbenzene			0.0400	0.0413		mg/Kg		103	65 - 130	6	20
tert-Butylbenzene			0.0400	0.0396		mg/Kg		99	69 - 133	10	23
Tetrachloroethene			0.0400	0.0387		mg/Kg		97	71 - 121	6	21
Toluene			0.0400	0.0389		mg/Kg		97	76 - 120	1	20
trans-1,2-Dichloroethene			0.0400	0.0369		mg/Kg		92	75 - 122	1	20
1,1,1-Trichloroethane			0.0400	0.0327		mg/Kg		82	72 - 134	13	20
Trichloroethene			0.0400	0.0341		mg/Kg		85	69 - 118	0	20
1,2,4-Trimethylbenzene			0.0400	0.0379		mg/Kg		95	74 - 127	7	20
1,3,5-Trimethylbenzene			0.0400	0.0381		mg/Kg		95	69 - 131	10	20
Vinyl chloride			0.0400	0.0361		mg/Kg		90	64 - 134	23	23
Xylenes, Total			0.0800	0.0775		mg/Kg		97	78 - 118	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-390900/4
Matrix: Solid
Analysis Batch: 390900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*
Dibromofluoromethane (Surr)	*78*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*69*	*S1-*	*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-390717/1-A
Matrix: Solid
Analysis Batch: 390809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Anthracene	ND		0.0034	0.00087	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Chrysene	ND		0.0034	0.0019	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Fluorene	ND		0.0034	0.00066	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Phenol	ND		0.017	0.0051	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Pyrene	ND		0.0034	0.00079	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
Pyridine	ND		0.034	0.0090	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		03/07/22 20:00	03/08/22 12:22	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		03/07/22 20:00	03/08/22 12:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*74*		*35 - 105*	*03/07/22 20:00*	*03/08/22 12:22*	*1*
2-Fluorophenol (Surr)	*80*		*32 - 105*	*03/07/22 20:00*	*03/08/22 12:22*	*1*
Nitrobenzene-d5 (Surr)	*79*		*34 - 109*	*03/07/22 20:00*	*03/08/22 12:22*	*1*
Phenol-d5 (Surr)	*75*		*34 - 105*	*03/07/22 20:00*	*03/08/22 12:22*	*1*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-390717/1-A
Matrix: Solid
Analysis Batch: 390809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390717

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*03/07/22 20:00*	*03/08/22 12:22*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*20 - 119*	*03/07/22 20:00*	*03/08/22 12:22*	*1*

Lab Sample ID: LCS 180-390717/2-A
Matrix: Solid
Analysis Batch: 390809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.234		mg/Kg		70	41 - 100
Acenaphthylene	0.333	0.212		mg/Kg		64	45 - 100
Anthracene	0.333	0.231		mg/Kg		69	47 - 100
Benzo[a]anthracene	0.333	0.228		mg/Kg		68	47 - 100
Benzo[a]pyrene	0.333	0.230		mg/Kg		69	45 - 101
Benzo[b]fluoranthene	0.333	0.250		mg/Kg		75	44 - 100
Benzo[g,h,i]perylene	0.333	0.220		mg/Kg		66	45 - 103
Benzo[k]fluoranthene	0.333	0.224		mg/Kg		67	43 - 100
Chrysene	0.333	0.213		mg/Kg		64	44 - 100
Dibenz(a,h)anthracene	0.333	0.232		mg/Kg		70	46 - 107
Dibenzofuran	0.333	0.224		mg/Kg		67	47 - 100
2,4-Dinitrotoluene	0.333	0.237		mg/Kg		71	48 - 106
1,4-Dioxane	0.333	0.313		mg/Kg		94	10 - 133
Fluoranthene	0.333	0.223		mg/Kg		67	49 - 102
Fluorene	0.333	0.235		mg/Kg		71	46 - 100
Hexachlorobenzene	0.333	0.263		mg/Kg		79	45 - 101
Hexachlorobutadiene	0.333	0.245		mg/Kg		73	38 - 110
Hexachloroethane	0.333	0.246		mg/Kg		74	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.239		mg/Kg		72	48 - 104
2-Methylphenol	0.333	0.226		mg/Kg		68	43 - 101
Methylphenol, 3 & 4	0.333	0.219		mg/Kg		66	43 - 104
Naphthalene	0.333	0.226		mg/Kg		68	43 - 100
Nitrobenzene	0.333	0.262		mg/Kg		79	43 - 107
Pentachlorophenol	0.667	0.472		mg/Kg		71	34 - 112
Phenanthrene	0.333	0.225		mg/Kg		68	46 - 100
Phenol	0.333	0.252		mg/Kg		76	42 - 103
Pyrene	0.333	0.219		mg/Kg		66	44 - 102
Pyridine	0.667	0.586		mg/Kg		88	25 - 109
2,4,5-Trichlorophenol	0.333	0.228		mg/Kg		68	47 - 108
2,4,6-Trichlorophenol	0.333	0.244		mg/Kg		73	47 - 108

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*76*		*32 - 105*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*
Phenol-d5 (Surr)	*78*		*34 - 105*
Terphenyl-d14 (Surr)	*70*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*88*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-390633/1-A
Matrix: Solid
Analysis Batch: 390892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1221	ND		0.017	0.0059	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1232	ND		0.017	0.0041	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1242	ND		0.017	0.0024	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1248	ND		0.017	0.0040	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1254	ND		0.017	0.0050	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1260	ND		0.017	0.0047	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1262	ND		0.017	0.0059	mg/Kg		03/07/22 11:30	03/09/22 16:03	1
PCB-1268	ND		0.017	0.0022	mg/Kg		03/07/22 11:30	03/09/22 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/07/22 11:30*	*03/09/22 16:03*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*03/07/22 11:30*	*03/09/22 16:03*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*03/07/22 11:30*	*03/09/22 16:03*	*1*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*03/07/22 11:30*	*03/09/22 16:03*	*1*

Lab Sample ID: LCS 180-390633/2-A
Matrix: Solid
Analysis Batch: 390892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.22		mg/Kg		91	43 - 136		
PCB-1260			1.33	1.26		mg/Kg		94	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-391021/1-A
Matrix: Solid
Analysis Batch: 391203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Barium	ND		20	3.6	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Beryllium	ND		0.40	0.11	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Cadmium	ND		0.50	0.073	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Chromium	ND		0.50	0.46	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Copper	ND		2.5	1.5	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Lead	ND		1.0	0.87	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Manganese	ND		1.5	0.28	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Nickel	ND		4.0	0.50	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Selenium	ND		1.0	0.46	mg/Kg		03/09/22 14:59	03/10/22 19:24	1
Silver	ND		0.50	0.10	mg/Kg		03/09/22 14:59	03/10/22 19:24	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-391021/1-A
Matrix: Solid
Analysis Batch: 391203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	1.2	mg/Kg		03/09/22 14:59	03/10/22 19:24	1

Lab Sample ID: LCS 180-391021/2-A
Matrix: Solid
Analysis Batch: 391203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	103		mg/Kg		103	80 - 120
Barium	100	101		mg/Kg		101	80 - 120
Beryllium	50.0	51.7		mg/Kg		103	80 - 120
Cadmium	50.0	50.4		mg/Kg		101	80 - 120
Chromium	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	49.7		mg/Kg		99	80 - 120
Lead	50.0	47.4		mg/Kg		95	80 - 120
Manganese	50.0	49.4		mg/Kg		99	80 - 120
Nickel	50.0	49.7		mg/Kg		99	80 - 120
Selenium	100	100		mg/Kg		100	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	24.3		mg/Kg		97	80 - 120

Lab Sample ID: 180-134729-3 MS
Matrix: Solid
Analysis Batch: 391203

Client Sample ID: SSHS-IRM5A2-A2-A89C
Prep Type: Total/NA
Prep Batch: 391021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.1		71.2	59.9		mg/Kg	☼	78	75 - 125
Barium	27		71.2	86.1		mg/Kg	☼	83	75 - 125
Beryllium	0.20	J	35.6	27.6		mg/Kg	☼	77	75 - 125
Cadmium	0.070	J	35.6	27.7		mg/Kg	☼	78	75 - 125
Chromium	6.0	F1	35.6	32.6		mg/Kg	☼	75	75 - 125
Copper	18		35.6	45.4		mg/Kg	☼	76	75 - 125
Lead	7.1		35.6	34.7		mg/Kg	☼	77	75 - 125
Manganese	340		35.6	400	4	mg/Kg	☼	170	75 - 125
Nickel	12		35.6	42.7		mg/Kg	☼	87	75 - 125
Selenium	ND	F1	71.2	54.5		mg/Kg	☼	76	75 - 125
Silver	ND	F1	17.8	13.5		mg/Kg	☼	76	75 - 125
Zinc	43	F1	17.8	55.8	F1	mg/Kg	☼	71	75 - 125

Lab Sample ID: 180-134729-3 MSD
Matrix: Solid
Analysis Batch: 391203

Client Sample ID: SSHS-IRM5A2-A2-A89C
Prep Type: Total/NA
Prep Batch: 391021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.1		70.8	58.7		mg/Kg	☼	77	75 - 125	2	20
Barium	27		70.8	83.3		mg/Kg	☼	79	75 - 125	3	20
Beryllium	0.20	J	35.4	26.9		mg/Kg	☼	75	75 - 125	3	20
Cadmium	0.070	J	35.4	26.9		mg/Kg	☼	76	75 - 125	3	20
Chromium	6.0	F1	35.4	32.4	F1	mg/Kg	☼	74	75 - 125	1	20
Copper	18		35.4	47.5		mg/Kg	☼	83	75 - 125	5	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-134729-3 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A89C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391203 — **Prep Batch: 391021**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	7.1		35.4	35.7		mg/Kg	☼	81	75 - 125	3	20
Manganese	340		35.4	347	4	mg/Kg	☼	20	75 - 125	14	20
Nickel	12		35.4	42.0		mg/Kg	☼	86	75 - 125	2	20
Selenium	ND	F1	70.8	52.4	F1	mg/Kg	☼	74	75 - 125	4	20
Silver	ND	F1	17.7	13.1	F1	mg/Kg	☼	74	75 - 125	3	20
Zinc	43	F1	17.7	65.3		mg/Kg	☼	125	75 - 125	16	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-390571/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390629 — **Prep Batch: 390571**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/06/22 08:10	03/07/22 08:03	1

Lab Sample ID: LCS 180-390571/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390629 — **Prep Batch: 390571**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.399		mg/Kg		96	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-134729-8 DU — **Client Sample ID: SSHS-IRM5A2-A2-A91B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390658

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.4		7.8		%		5	10
Percent Solids	92.6		92.2		%		0.4	10

Lab Sample ID: 180-134729-18 DU — **Client Sample ID: SSHS-IRM5A2-A2-A94C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 390658

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.3		5.8		%		8	10
Percent Solids	93.7		94.2		%		0.5	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-390980/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391361 — **Prep Batch: 390980**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		03/09/22 12:19	03/11/22 19:11	1

Method: EPA 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSI 180-390980/3-A
Matrix: Solid
Analysis Batch: 391361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390980

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	665		mg/Kg		94	80 - 120

Lab Sample ID: LCSS 180-390980/2-A
Matrix: Solid
Analysis Batch: 391361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390980

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	18.6		mg/Kg		93	80 - 120

Lab Sample ID: 180-134729-6 MSI
Matrix: Solid
Analysis Batch: 391361

Client Sample ID: SSHS-IRM5A2-A2-A90C
Prep Type: Total/NA
Prep Batch: 390980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		767	769		mg/Kg	☼	100	75 - 125

Lab Sample ID: 180-134729-6 MSS
Matrix: Solid
Analysis Batch: 391361

Client Sample ID: SSHS-IRM5A2-A2-A90C
Prep Type: Total/NA
Prep Batch: 390980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		21.7	18.5		mg/Kg	☼	85	75 - 125

Lab Sample ID: 180-134729-6 DU
Matrix: Solid
Analysis Batch: 391361

Client Sample ID: SSHS-IRM5A2-A2-A90C
Prep Type: Total/NA
Prep Batch: 390980

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-390949/4-A
Matrix: Solid
Analysis Batch: 391332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/09/22 14:00	03/11/22 12:29	1

Lab Sample ID: HLCS 180-390949/2-A
Matrix: Solid
Analysis Batch: 391332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390949

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134729-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LCS 180-390949/3-A
Matrix: Solid
Analysis Batch: 391332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	23.1		mg/Kg		100	17 - 163

Lab Sample ID: LLCS 180-390949/1-A
Matrix: Solid
Analysis Batch: 391332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390949

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0473		mg/Kg		95	90 - 110

GC/MS VOA

Analysis Batch: 390738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-1	SSHS-IRM5A2-A2-A89A	Total/NA	Solid	EPA 8260C	390782
180-134729-2	SSHS-IRM5A2-A2-A89B	Total/NA	Solid	EPA 8260C	390782
180-134729-4	SSHS-IRM5A2-A2-A90A	Total/NA	Solid	EPA 8260C	390782
180-134729-5	SSHS-IRM5A2-A2-A90B	Total/NA	Solid	EPA 8260C	390782
180-134729-8	SSHS-IRM5A2-A2-A91B	Total/NA	Solid	EPA 8260C	390782
180-134729-10	SSHS-IRM5A2-A2-A92A	Total/NA	Solid	EPA 8260C	390782
180-134729-11	SSHS-IRM5A2-A2-A92B	Total/NA	Solid	EPA 8260C	390782
180-134729-13	SSHS-IRM5A2-A2-A93A	Total/NA	Solid	EPA 8260C	390782
180-134729-14	SSHS-IRM5A2-A2-A93B	Total/NA	Solid	EPA 8260C	390782
180-134729-16	SSHS-IRM5A2-A2-A94A	Total/NA	Solid	EPA 8260C	390782
180-134729-17	SSHS-IRM5A2-A2-A94B	Total/NA	Solid	EPA 8260C	390782
180-134729-19	SSHS-IRM5A2-A2-A95A	Total/NA	Solid	EPA 8260C	390782
180-134729-22	SSHS-IRM5A2-A2-A96A	Total/NA	Solid	EPA 8260C	390782
180-134729-25	SSHS-IRM5A2-A2-DUP15A	Total/NA	Solid	EPA 8260C	390782
180-134729-26	SSHS-IRM5A2-A2-DUP15B	Total/NA	Solid	EPA 8260C	390782
MB 180-390738/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-390738/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-390738/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 390782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-1	SSHS-IRM5A2-A2-A89A	Total/NA	Solid	5035	
180-134729-2	SSHS-IRM5A2-A2-A89B	Total/NA	Solid	5035	
180-134729-4	SSHS-IRM5A2-A2-A90A	Total/NA	Solid	5035	
180-134729-5	SSHS-IRM5A2-A2-A90B	Total/NA	Solid	5035	
180-134729-8	SSHS-IRM5A2-A2-A91B	Total/NA	Solid	5035	
180-134729-10	SSHS-IRM5A2-A2-A92A	Total/NA	Solid	5035	
180-134729-11	SSHS-IRM5A2-A2-A92B	Total/NA	Solid	5035	
180-134729-13	SSHS-IRM5A2-A2-A93A	Total/NA	Solid	5035	
180-134729-14	SSHS-IRM5A2-A2-A93B	Total/NA	Solid	5035	
180-134729-16	SSHS-IRM5A2-A2-A94A	Total/NA	Solid	5035	
180-134729-17	SSHS-IRM5A2-A2-A94B	Total/NA	Solid	5035	
180-134729-19	SSHS-IRM5A2-A2-A95A	Total/NA	Solid	5035	
180-134729-22	SSHS-IRM5A2-A2-A96A	Total/NA	Solid	5035	
180-134729-25	SSHS-IRM5A2-A2-DUP15A	Total/NA	Solid	5035	
180-134729-26	SSHS-IRM5A2-A2-DUP15B	Total/NA	Solid	5035	

Analysis Batch: 390900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-7	SSHS-IRM5A2-A2-A91A	Total/NA	Solid	EPA 8260C	390952
180-134729-20	SSHS-IRM5A2-A2-A95B	Total/NA	Solid	EPA 8260C	390952
180-134729-23	SSHS-IRM5A2-A2-A96B	Total/NA	Solid	EPA 8260C	390952
MB 180-390900/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-390900/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-390900/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 390952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-7	SSHS-IRM5A2-A2-A91A	Total/NA	Solid	5035	
180-134729-20	SSHS-IRM5A2-A2-A95B	Total/NA	Solid	5035	
180-134729-23	SSHS-IRM5A2-A2-A96B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 390717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3541	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3541	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	3541	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	3541	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	3541	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	3541	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	3541	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	3541	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	3541	
MB 180-390717/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-390717/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 390809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	EPA 8270D LL	390717
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	EPA 8270D LL	390717
MB 180-390717/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	390717
LCS 180-390717/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	390717

GC Semi VOA

Prep Batch: 390633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3541	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3541	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	3541	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	3541	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	3541	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	3541	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	3541	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	3541	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	3541	
MB 180-390633/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-390633/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 390726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3665A	390633
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3665A	390633
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	3665A	390633
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	3665A	390633
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	3665A	390633
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	3665A	390633
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	3665A	390633

GC Semi VOA (Continued)

Cleanup Batch: 390726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	3665A	390633
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	3665A	390633

Cleanup Batch: 390727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3660B	390726
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3660B	390726
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	3660B	390726
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	3660B	390726
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	3660B	390726
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	3660B	390726
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	3660B	390726
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	3660B	390726
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	3660B	390726

Analysis Batch: 390892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 8082A	390727
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 8082A	390727
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	EPA 8082A	390727
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	EPA 8082A	390727
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	EPA 8082A	390727
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	EPA 8082A	390727
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	EPA 8082A	390727
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	EPA 8082A	390727
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	EPA 8082A	390727
MB 180-390633/1-A	Method Blank	Total/NA	Solid	EPA 8082A	390633
LCS 180-390633/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	390633

Metals

Prep Batch: 390571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	7471B	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	7471B	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	7471B	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	7471B	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	7471B	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	7471B	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	7471B	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	7471B	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	7471B	
MB 180-390571/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-390571/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 390629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 7471B	390571
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 7471B	390571
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	EPA 7471B	390571
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	EPA 7471B	390571

Metals (Continued)

Analysis Batch: 390629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	EPA 7471B	390571
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	EPA 7471B	390571
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	EPA 7471B	390571
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	EPA 7471B	390571
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	EPA 7471B	390571
MB 180-390571/1-A	Method Blank	Total/NA	Solid	EPA 7471B	390571
LCS 180-390571/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	390571

Prep Batch: 391021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3050B	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3050B	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	3050B	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	3050B	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	3050B	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	3050B	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	3050B	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	3050B	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	3050B	
MB 180-391021/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-391021/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-134729-3 MS	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3050B	
180-134729-3 MSD	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3050B	

Analysis Batch: 391203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 6010C	391021
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 6010C	391021
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	EPA 6010C	391021
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	EPA 6010C	391021
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	EPA 6010C	391021
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	EPA 6010C	391021
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	EPA 6010C	391021
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	EPA 6010C	391021
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	EPA 6010C	391021
MB 180-391021/1-A	Method Blank	Total/NA	Solid	EPA 6010C	391021
LCS 180-391021/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	391021
180-134729-3 MS	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 6010C	391021
180-134729-3 MSD	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 6010C	391021

General Chemistry

Analysis Batch: 390644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-1	SSHS-IRM5A2-A2-A89A	Total/NA	Solid	2540G	
180-134729-2	SSHS-IRM5A2-A2-A89B	Total/NA	Solid	2540G	
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	2540G	
180-134729-4	SSHS-IRM5A2-A2-A90A	Total/NA	Solid	2540G	
180-134729-5	SSHS-IRM5A2-A2-A90B	Total/NA	Solid	2540G	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	2540G	
180-134729-7	SSHS-IRM5A2-A2-A91A	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 390658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-8	SSHS-IRM5A2-A2-A91B	Total/NA	Solid	2540G	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	2540G	
180-134729-10	SSHS-IRM5A2-A2-A92A	Total/NA	Solid	2540G	
180-134729-11	SSHS-IRM5A2-A2-A92B	Total/NA	Solid	2540G	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	2540G	
180-134729-13	SSHS-IRM5A2-A2-A93A	Total/NA	Solid	2540G	
180-134729-14	SSHS-IRM5A2-A2-A93B	Total/NA	Solid	2540G	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	2540G	
180-134729-16	SSHS-IRM5A2-A2-A94A	Total/NA	Solid	2540G	
180-134729-17	SSHS-IRM5A2-A2-A94B	Total/NA	Solid	2540G	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	2540G	
180-134729-19	SSHS-IRM5A2-A2-A95A	Total/NA	Solid	2540G	
180-134729-20	SSHS-IRM5A2-A2-A95B	Total/NA	Solid	2540G	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	2540G	
180-134729-22	SSHS-IRM5A2-A2-A96A	Total/NA	Solid	2540G	
180-134729-23	SSHS-IRM5A2-A2-A96B	Total/NA	Solid	2540G	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	2540G	
180-134729-25	SSHS-IRM5A2-A2-DUP15A	Total/NA	Solid	2540G	
180-134729-26	SSHS-IRM5A2-A2-DUP15B	Total/NA	Solid	2540G	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	2540G	
180-134729-8 DU	SSHS-IRM5A2-A2-A91B	Total/NA	Solid	2540G	
180-134729-18 DU	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	2540G	

Prep Batch: 390949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	9010C	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	9010C	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	9010C	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	9010C	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	9010C	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	9010C	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	9010C	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	9010C	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	9010C	
MB 180-390949/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-390949/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-390949/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-390949/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 390980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	3060A	
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3060A	
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	3060A	
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	3060A	
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	3060A	
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	3060A	
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	3060A	
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	3060A	
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	3060A	
MB 180-390980/1-A	Method Blank	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 390980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSI 180-390980/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-390980/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-134729-6 MSI	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3060A	
180-134729-6 MSS	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3060A	
180-134729-6 DU	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	3060A	

Analysis Batch: 391332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 9014	390949
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 9014	390949
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	EPA 9014	390949
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	EPA 9014	390949
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	EPA 9014	390949
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	EPA 9014	390949
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	EPA 9014	390949
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	EPA 9014	390949
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	EPA 9014	390949
MB 180-390949/4-A	Method Blank	Total/NA	Solid	EPA 9014	390949
HLCS 180-390949/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	390949
LCS 180-390949/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	390949
LLCS 180-390949/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	390949

Analysis Batch: 391361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134729-3	SSHS-IRM5A2-A2-A89C	Total/NA	Solid	EPA 7196A	390980
180-134729-6	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 7196A	390980
180-134729-9	SSHS-IRM5A2-A2-A91C	Total/NA	Solid	EPA 7196A	390980
180-134729-12	SSHS-IRM5A2-A2-A92C	Total/NA	Solid	EPA 7196A	390980
180-134729-15	SSHS-IRM5A2-A2-A93C	Total/NA	Solid	EPA 7196A	390980
180-134729-18	SSHS-IRM5A2-A2-A94C	Total/NA	Solid	EPA 7196A	390980
180-134729-21	SSHS-IRM5A2-A2-A95C	Total/NA	Solid	EPA 7196A	390980
180-134729-24	SSHS-IRM5A2-A2-A96C	Total/NA	Solid	EPA 7196A	390980
180-134729-27	SSHS-IRM5A2-A2-DUP15C	Total/NA	Solid	EPA 7196A	390980
MB 180-390980/1-A	Method Blank	Total/NA	Solid	EPA 7196A	390980
LCSI 180-390980/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390980
LCSS 180-390980/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	390980
180-134729-6 MSI	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 7196A	390980
180-134729-6 MSS	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 7196A	390980
180-134729-6 DU	SSHS-IRM5A2-A2-A90C	Total/NA	Solid	EPA 7196A	390980

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): 5 day			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastestoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7199A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A89A	3/4/22	1140	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A89B	3/4/22	1140	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A89C	3/4/22	1140	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A90A	3/4/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A90B	3/4/22	1200	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A90C	3/4/22	1200	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A91A	3/4/22	1215	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A91B	3/4/22	1215	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A91C	3/4/22	1215	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A92A	3/4/22	1230	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A92B	3/4/22	1230	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	3/4/22 1800		[signature]	3/5/22 900	FEDEX
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

180-134729 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A92C	3/4/22	1230	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A93A	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93B	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93C	3/4/22	1245	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A94A	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94B	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94C	3/4/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A95A	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95B	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95C	3/4/22	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A96A	3/4/22	1630	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	EETAP-IT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A96B	3/4/22	1630	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A96C	3/4/22	1630	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP15A	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15B	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15C	3/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	EETA-Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
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Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

180-134729 Chain of Custody

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A2-A89A	3/4/22	1140	G	S	N	N	X												4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A89B	3/4/22	1140	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A89C	3/4/22	1140	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A90A	3/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A90B	3/4/22	1200	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A90C	3/4/22	1200	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A91A	3/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A91B	3/4/22	1215	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A91C	3/4/22	1215	C	S	N	N		X	X	X	X	X	X	X					5	
SSHS-IRM5A2-A2-A92A	3/4/22	1230	G	S	N	N	X												4	
SSHS-IRM5A2-A2-A92B	3/4/22	1230	G	S	N	N	X												4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 0.4c

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A92C	3/4/22	1230	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A93A	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93B	3/4/22	1245	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A93C	3/4/22	1245	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A94A	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94B	3/4/22	1530	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A94C	3/4/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A95A	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95B	3/4/22	1600	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A95C	3/4/22	1600	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A96A	3/4/22	1630	G	S	N	N	X													4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/4/22 1800		[signature]	3/5/22 900	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 0.4

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: MK Dempsey	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A96B	3/4/22	1630	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A96C	3/4/22	1630	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-DUP15A	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15B	3/4/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP15C	3/4/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/4/22 1800			3/5/22 900	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: Seal	Cooler Temperature(s) °C and Other Remarks: 0.4

Ver: 01/16/2019

3/14/2022

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

DR 3/5/22

Tracking # : 7761 ~~508~~ 6332 5706

Job:___ 180-134729 Field Sheet ___

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-23 Corr. Factor: (+ (-)) 0.4 °C

Ice Y Wet Y Gel _____ Other _____

Cooler Custody Seal: Regis

Cooler ID: _____

Temp Observed: 0.8 °C Corrected: 0.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DR Date: 3/5/22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-5-22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 3-5-22

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134729-1

Login Number: 134729
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134842-1
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/16/2022 3:10:57 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Job ID: 180-134842-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134842-1

Comments
Notation was made to the coc regarding the receipt of ms/msd volumes for samples SSHS-IRM5A2-A2-A99A, B, and C.

Receipt
The samples were received on 3/9 and 10/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.9º C, 3.8º C, 3.9º C and 4.4º C.

GC/MS VOA
Method 8260C: The matrix spike (MS) of sample SSHS-IRM5A2-A2-A99B (180-134842-8) had the recoveries of Ethylbenzene, N-Propylbenzene, and Total Xylenes above the control limits. The RPDs between the spikes and the recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

Method 8260C: The RPD between the matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A99A (180-134842-7) was above the control limits for the following analytes: 1,1-Dichloroethene and Vinyl chloride. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-391757 was above criteria for the following analyte: Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A2-A99C (180-134842-9) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134842-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134842-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134842-1	SSHS-IRM5A2-A2-A97A	Solid	03/08/22 14:45	03/09/22 10:30
180-134842-2	SSHS-IRM5A2-A2-A97B	Solid	03/08/22 14:50	03/09/22 10:30
180-134842-3	SSHS-IRM5A2-A2-A97C	Solid	03/08/22 14:40	03/09/22 10:30
180-134842-4	SSHS-IRM5A2-A2-A98A	Solid	03/08/22 15:05	03/09/22 10:30
180-134842-5	SSHS-IRM5A2-A2-A98B	Solid	03/08/22 15:10	03/09/22 10:30
180-134842-6	SSHS-IRM5A2-A2-A98C	Solid	03/08/22 15:00	03/09/22 10:30
180-134842-7	SSHS-IRM5A2-A2-A99A	Solid	03/08/22 14:00	03/09/22 10:30
180-134842-8	SSHS-IRM5A2-A2-A99B	Solid	03/08/22 14:30	03/09/22 10:30
180-134842-9	SSHS-IRM5A2-A2-A99C	Solid	03/08/22 15:30	03/09/22 10:30
180-134842-10	SSHS-IRM5A2-A2-A100A	Solid	03/08/22 15:20	03/09/22 10:30
180-134842-11	SSHS-IRM5A2-A2-A100B	Solid	03/08/22 15:30	03/09/22 10:30
180-134842-12	SSHS-IRM5A2-A2-A100C	Solid	03/08/22 15:25	03/09/22 10:30
180-134842-13	SSHS-IRM5A2-A2-DUP16A	Solid	03/08/22 00:00	03/09/22 10:30
180-134842-14	SSHS-IRM5A2-A2-DUP16B	Solid	03/08/22 00:00	03/09/22 10:30
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Solid	03/08/22 00:00	03/09/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 7196A	Chromium, Hexavalent	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5035	Closed System Purge and Trap	SW846	TAL PIT
7471B	Preparation, Mercury	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Client Sample ID: SSHS-IRM5A2-A2-A97A
Lab Sample ID: 180-134842-1
Date Collected: 03/08/22 14:45
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A97A
Lab Sample ID: 180-134842-1
Date Collected: 03/08/22 14:45
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0738 g	5 mL	391615	03/15/22 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391594	03/15/22 18:27	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A97B
Lab Sample ID: 180-134842-2
Date Collected: 03/08/22 14:50
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A97B
Lab Sample ID: 180-134842-2
Date Collected: 03/08/22 14:50
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1945 g	5 mL	391615	03/15/22 12:33	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391594	03/15/22 18:50	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A97C
Lab Sample ID: 180-134842-3
Date Collected: 03/08/22 14:40
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391025	03/09/22 16:00	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A97C
Lab Sample ID: 180-134842-3
Date Collected: 03/08/22 14:40
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	391074	03/10/22 08:41	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	391259	03/11/22 15:47	VVP	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Client Sample ID: SSHS-IRM5A2-A2-A97C

Lab Sample ID: 180-134842-3
Date Collected: 03/08/22 14:40
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	391073	03/10/22 08:39	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	391272	03/11/22 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	391273	03/11/22 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			391193	03/11/22 15:54	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.69 g	100 mL	391326	03/11/22 13:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391518	03/14/22 08:02	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.75 g	100 mL	391335	03/11/22 14:05	KFS	TAL PIT
Total/NA	Analysis	EPA 7471B		1			391545	03/14/22 12:47	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.54 g	100 mL	391042	03/09/22 19:20	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391720	03/15/22 15:07	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.22 g	10 mL	391569	03/14/22 20:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391612	03/14/22 23:27	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A98A

Lab Sample ID: 180-134842-4
Date Collected: 03/08/22 15:05
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A98A

Lab Sample ID: 180-134842-4
Date Collected: 03/08/22 15:05
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2776 g	5 mL	391777	03/16/22 10:54	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391757	03/16/22 11:45	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A98B

Lab Sample ID: 180-134842-5
Date Collected: 03/08/22 15:10
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Client Sample ID: SSHS-IRM5A2-A2-A98B
Date Collected: 03/08/22 15:10
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-5
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.088 g	5 mL	391777	03/16/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391757	03/16/22 10:58	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A98C
Date Collected: 03/08/22 15:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391025	03/09/22 16:00	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A98C
Date Collected: 03/08/22 15:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-6
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	391074	03/10/22 08:41	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	391259	03/11/22 16:10	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	391073	03/10/22 08:39	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	391272	03/11/22 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	391273	03/11/22 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			391193	03/11/22 16:13	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.54 g	100 mL	391326	03/11/22 13:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391518	03/14/22 08:06	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.73 g	100 mL	391335	03/11/22 14:05	KFS	TAL PIT
Total/NA	Analysis	EPA 7471B		1			391545	03/14/22 12:48	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.47 g	100 mL	391042	03/09/22 19:20	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391720	03/15/22 15:08	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.22 g	10 mL	391569	03/14/22 20:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391612	03/14/22 23:28	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A99A
Date Collected: 03/08/22 14:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-134842-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A99A — Lab Sample ID: 180-134842-7

Date Collected: 03/08/22 14:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	391777	03/16/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391757	03/16/22 08:39	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A99B — Lab Sample ID: 180-134842-8

Date Collected: 03/08/22 14:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A99B — Lab Sample ID: 180-134842-8

Date Collected: 03/08/22 14:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 95.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9387 g	5 mL	391615	03/15/22 10:14	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391594	03/15/22 10:38	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A99C — Lab Sample ID: 180-134842-9

Date Collected: 03/08/22 15:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391025	03/09/22 16:00	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A99C — Lab Sample ID: 180-134842-9

Date Collected: 03/08/22 15:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 95.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	391074	03/10/22 08:41	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	391259	03/11/22 14:41	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	391073	03/10/22 08:39	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	391272	03/11/22 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	391273	03/11/22 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			391193	03/11/22 14:58	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.52 g	100 mL	391326	03/11/22 13:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391518	03/14/22 08:20	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Client Sample ID: SSHS-IRM5A2-A2-A99C
Lab Sample ID: 180-134842-9
Date Collected: 03/08/22 15:30
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	100 mL	391335	03/11/22 14:05	KFS	TAL PIT
Total/NA	Analysis	EPA 7471B		1			391545	03/14/22 12:49	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	391042	03/09/22 19:20	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391720	03/15/22 14:36	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.28 g	10 mL	391569	03/14/22 20:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391612	03/14/22 23:30	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-A100A
Lab Sample ID: 180-134842-10
Date Collected: 03/08/22 15:20
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A100A
Lab Sample ID: 180-134842-10
Date Collected: 03/08/22 15:20
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7931 g	5 mL	391615	03/15/22 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391594	03/15/22 18:04	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-A100B
Lab Sample ID: 180-134842-11
Date Collected: 03/08/22 15:30
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A100B
Lab Sample ID: 180-134842-11
Date Collected: 03/08/22 15:30
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1282 g	5 mL	391615	03/15/22 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391594	03/15/22 17:41	KLG	TAL PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-134842-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2-A100C
Lab Sample ID: 180-134842-12
Date Collected: 03/08/22 15:25
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391025	03/09/22 16:00	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-A100C
Lab Sample ID: 180-134842-12
Date Collected: 03/08/22 15:25
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	391074	03/10/22 08:41	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	391259	03/11/22 16:32	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	391073	03/10/22 08:39	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	391272	03/11/22 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	391273	03/11/22 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			391193	03/11/22 16:31	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.38 g	100 mL	391326	03/11/22 13:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391518	03/14/22 08:43	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.74 g	100 mL	391335	03/11/22 14:05	KFS	TAL PIT
Total/NA	Analysis	EPA 7471B		1			391545	03/14/22 12:55	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.53 g	100 mL	391042	03/09/22 19:20	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391720	03/15/22 15:05	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.29 g	10 mL	391569	03/14/22 20:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391612	03/14/22 23:35	CMR	TAL PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2-DUP16A
Lab Sample ID: 180-134842-13
Date Collected: 03/08/22 00:00
Matrix: Solid
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP16A
Lab Sample ID: 180-134842-13
Date Collected: 03/08/22 00:00
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1005 g	5 mL	391777	03/16/22 06:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391757	03/16/22 10:11	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP16B — Lab Sample ID: 180-134842-14

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391093	03/10/22 10:36	NAF	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP16B — Lab Sample ID: 180-134842-14

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7756 g	5 mL	391615	03/15/22 07:00	KLG	TAL PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	391594	03/15/22 16:55	KLG	TAL PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2-DUP16C — Lab Sample ID: 180-134842-15

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			391025	03/09/22 16:00	ELS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2-DUP16C — Lab Sample ID: 180-134842-15

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	391074	03/10/22 08:41	CSC	TAL PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	391259	03/11/22 16:54	VVP	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	391073	03/10/22 08:39	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	391272	03/11/22 10:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	391273	03/11/22 10:49	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			391193	03/11/22 16:50	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.22 g	100 mL	391326	03/11/22 13:25	KFS	TAL PIT
Total/NA	Analysis	EPA 6010C		1			391518	03/14/22 08:48	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	391335	03/11/22 14:05	KFS	TAL PIT
Total/NA	Analysis	EPA 7471B		1			391545	03/14/22 12:56	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	3060A			2.49 g	100 mL	391042	03/09/22 19:20	JCR	TAL PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	391720	03/15/22 15:06	PMH	TAL PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.22 g	10 mL	391662	03/15/22 13:15	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			391722	03/15/22 16:34	CMR	TAL PIT
	Instrument ID: SEAL1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CMR = Carl Reagle
CSC = Chayce Cockroft
JCR = Jessica Rodgers
KFS = Kelly Shannon
KLG = Kathy Gordon

Batch Type: Analysis

CMR = Carl Reagle
ELS = Edwin Shireman
JMO = John Oravec
KLG = Kathy Gordon
NAF = Nicholas Frankos
PMH = Paloma Hoelzle
RJG = Rob Good
RJR = Ron Rosenbaum
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A2-A97A — Lab Sample ID: 180-134842-1

Date Collected: 03/08/22 14:45 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.0**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,1,1-Trichloroethane	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0020	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1
Xylenes, Total	ND		0.010	0.0076	mg/Kg	☼	03/15/22 07:00	03/15/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*03/15/22 07:00*	*03/15/22 18:27*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*03/15/22 07:00*	*03/15/22 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*03/15/22 07:00*	*03/15/22 18:27*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*03/15/22 07:00*	*03/15/22 18:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.0**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**94.0**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A97B — Lab Sample ID: 180-134842-2

Date Collected: 03/08/22 14:50 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0040	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1

Client Sample ID: SSHS-IRM5A2-A2-A97B
Lab Sample ID: 180-134842-2
Date Collected: 03/08/22 14:50 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 94.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,3-Dichlorobenzene	ND		0.0051	0.0031	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	03/15/22 12:33	03/15/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*03/15/22 12:33*	*03/15/22 18:50*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*03/15/22 12:33*	*03/15/22 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*03/15/22 12:33*	*03/15/22 18:50*	*1*
Toluene-d8 (Surr)	*119*		*67 - 134*	*03/15/22 12:33*	*03/15/22 18:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**94.3**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A97C
Lab Sample ID: 180-134842-3
Date Collected: 03/08/22 14:40 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 95.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0068	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Acenaphthylene	**0.0051**	**J**	0.0068	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Anthracene	**0.0031**	**J**	0.0068	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Benzo[a]anthracene	**0.0040**	**J**	0.0068	0.0031	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1

Client Sample ID: SSHS-IRM5A2-A2-A97C **Lab Sample ID: 180-134842-3**
Date Collected: 03/08/22 14:40 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 95.6**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.0053**	**J**	0.0068	0.0029	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Benzo[b]fluoranthene	**0.0067**	**J**	0.0068	0.0017	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Benzo[g,h,i]perylene	**0.0064**	**J**	0.0068	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Benzo[k]fluoranthene	**0.0030**	**J**	0.0068	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Chrysene	**0.0058**	**J**	0.0068	0.0038	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Dibenz(a,h)anthracene	ND		0.0068	0.0043	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
2,4-Dinitrotoluene	ND		0.034	0.020	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
1,4-Dioxane	ND		0.068	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Fluoranthene	**0.0071**		0.0068	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Fluorene	ND		0.0068	0.0013	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Hexachlorobenzene	ND		0.0068	0.0024	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Hexachlorobutadiene	ND		0.0068	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Indeno[1,2,3-cd]pyrene	**0.0055**	**J**	0.0068	0.0034	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
2-Methylphenol	ND		0.034	0.0097	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Naphthalene	**0.0014**	**J**	0.0068	0.0013	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Nitrobenzene	ND		0.068	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Pentachlorophenol	ND		0.17	0.055	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Phenanthrene	**0.0037**	**J**	0.0068	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Pyrene	**0.0076**		0.0068	0.0016	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
Pyridine	ND		0.068	0.018	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*03/10/22 08:41*	*03/11/22 15:47*	*1*
2-Fluorophenol (Surr)	*71*		*32 - 105*	*03/10/22 08:41*	*03/11/22 15:47*	*1*
Nitrobenzene-d5 (Surr)	*85*		*34 - 109*	*03/10/22 08:41*	*03/11/22 15:47*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*03/10/22 08:41*	*03/11/22 15:47*	*1*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*03/10/22 08:41*	*03/11/22 15:47*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 119*	*03/10/22 08:41*	*03/11/22 15:47*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0055	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1221	ND		0.017	0.0060	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1232	ND		0.017	0.0041	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1248	**0.23**		0.017	0.0040	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1254	**0.073**		0.017	0.0051	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1260	ND		0.017	0.0048	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1262	ND		0.017	0.0059	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/10/22 08:39	03/11/22 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*03/10/22 08:39*	*03/11/22 15:54*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*03/10/22 08:39*	*03/11/22 15:54*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A97C

Lab Sample ID: 180-134842-3

Date Collected: 03/08/22 14:40
Date Received: 03/09/22 10:30

Matrix: Solid
Percent Solids: 95.6

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*03/10/22 08:39*	*03/11/22 15:54*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*03/10/22 08:39*	*03/11/22 15:54*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.3**		0.62	0.39	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Barium	**36**		12	2.2	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Beryllium	**0.16**	**J**	0.25	0.067	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Cadmium	**0.069**	**J**	0.31	0.045	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Chromium	**5.0**		0.31	0.28	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Copper	**15**		1.5	0.93	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Lead	**5.3**		0.62	0.54	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Manganese	**390**		0.93	0.17	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Nickel	**10**		2.5	0.31	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Selenium	ND		0.62	0.29	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Silver	ND		0.31	0.064	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1
Zinc	**37**		1.2	0.74	mg/Kg	☼	03/11/22 13:25	03/14/22 08:02	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.028	0.018	mg/Kg	☼	03/11/22 14:05	03/14/22 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.4**		0.1	0.1	%			03/09/22 16:00	1
Percent Solids	**95.6**		0.1	0.1	%			03/09/22 16:00	1
Hexavalent chromium	ND		0.41	0.22	mg/Kg	☼	03/09/22 19:20	03/15/22 15:07	1
Cyanide, Total	ND		0.48	0.36	mg/Kg	☼	03/14/22 20:30	03/14/22 23:27	1

Client Sample ID: SSHS-IRM5A2-A2-A98A

Lab Sample ID: 180-134842-4

Date Collected: 03/08/22 15:05
Date Received: 03/09/22 10:30

Matrix: Solid
Percent Solids: 91.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1

Client Sample ID: SSHS-IRM5A2-A2-A98A

Lab Sample ID: 180-134842-4

Date Collected: 03/08/22 15:05
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 91.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/16/22 10:54	03/16/22 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*03/16/22 10:54*	*03/16/22 11:45*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*03/16/22 10:54*	*03/16/22 11:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*03/16/22 10:54*	*03/16/22 11:45*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*03/16/22 10:54*	*03/16/22 11:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**91.2**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A98B

Lab Sample ID: 180-134842-5

Date Collected: 03/08/22 15:10
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 91.4

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0042	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
2-Butanone (MEK)	ND		0.0054	0.0027	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Chloroform	ND		0.0054	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Methylene Chloride	ND		0.0054	0.0049	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1

Client Sample ID: SSHS-IRM5A2-A2-A98B
Lab Sample ID: 180-134842-5
Date Collected: 03/08/22 15:10 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 91.4**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1
Xylenes, Total	ND		0.011	0.0078	mg/Kg	☼	03/16/22 06:00	03/16/22 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*03/16/22 06:00*	*03/16/22 10:58*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*03/16/22 06:00*	*03/16/22 10:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*03/16/22 06:00*	*03/16/22 10:58*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*03/16/22 06:00*	*03/16/22 10:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**91.4**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A98C
Lab Sample ID: 180-134842-6
Date Collected: 03/08/22 15:00 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 90.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Acenaphthylene	**0.056**		0.0073	0.0016	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Anthracene	**0.031**		0.0073	0.0019	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Benzo[a]anthracene	**0.043**		0.0073	0.0033	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Benzo[a]pyrene	**0.060**		0.0073	0.0031	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Benzo[b]fluoranthene	**0.079**		0.0073	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Benzo[g,h,i]perylene	**0.079**		0.0073	0.0016	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Benzo[k]fluoranthene	**0.030**		0.0073	0.0022	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Chrysene	**0.059**		0.0073	0.0040	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Dibenz(a,h)anthracene	**0.015**		0.0073	0.0046	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Fluoranthene	**0.079**		0.0073	0.0019	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Fluorene	**0.0055**	**J**	0.0073	0.0014	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Indeno[1,2,3-cd]pyrene	**0.066**		0.0073	0.0036	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1

Client Sample ID: SSHS-IRM5A2-A2-A98C
Date Collected: 03/08/22 15:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-6
Matrix: Solid
Percent Solids: 90.1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Naphthalene	**0.0098**		0.0073	0.0014	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Phenanthrene	**0.027**		0.0073	0.0019	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Phenol	ND		0.036	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Pyrene	**0.091**		0.0073	0.0017	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*03/10/22 08:41*	*03/11/22 16:10*	*1*
2-Fluorophenol (Surr)	*84*		*32 - 105*	*03/10/22 08:41*	*03/11/22 16:10*	*1*
Nitrobenzene-d5 (Surr)	*85*		*34 - 109*	*03/10/22 08:41*	*03/11/22 16:10*	*1*
Phenol-d5 (Surr)	*70*		*34 - 105*	*03/10/22 08:41*	*03/11/22 16:10*	*1*
Terphenyl-d14 (Surr)	*72*		*20 - 117*	*03/10/22 08:41*	*03/11/22 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*03/10/22 08:41*	*03/11/22 16:10*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1248	**0.71**		0.018	0.0043	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1254	**0.20**		0.018	0.0054	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/10/22 08:39	03/11/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*03/10/22 08:39*	*03/11/22 16:13*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*03/10/22 08:39*	*03/11/22 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*03/10/22 08:39*	*03/11/22 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*03/10/22 08:39*	*03/11/22 16:13*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		0.72	0.45	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Barium	**42**		14	2.6	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Beryllium	**0.21**	**J**	0.29	0.079	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Cadmium	**0.095**	**J**	0.36	0.053	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Chromium	**5.9**		0.36	0.33	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Copper	**18**		1.8	1.1	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Lead	**12**		0.72	0.63	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Manganese	**320**		1.1	0.20	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Nickel	**12**		2.9	0.36	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Selenium	**0.67**	**J**	0.72	0.33	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1

Client Sample ID: SSHS-IRM5A2-A2-A98C
Lab Sample ID: 180-134842-6
Date Collected: 03/08/22 15:00 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 90.1**

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.36	0.075	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1
Zinc	**46**		1.4	0.86	mg/Kg	☼	03/11/22 13:25	03/14/22 08:06	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**		0.030	0.019	mg/Kg	☼	03/11/22 14:05	03/14/22 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		0.1	0.1	%			03/09/22 16:00	1
Percent Solids	**90.1**		0.1	0.1	%			03/09/22 16:00	1
Hexavalent chromium	ND		0.45	0.24	mg/Kg	☼	03/09/22 19:20	03/15/22 15:08	1
Cyanide, Total	**1.5**		0.50	0.38	mg/Kg	☼	03/14/22 20:30	03/14/22 23:28	1

Client Sample ID: SSHS-IRM5A2-A2-A99A
Lab Sample ID: 180-134842-7
Date Collected: 03/08/22 14:00 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 94.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,1-Dichloroethene	ND	F2	0.0053	0.0024	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Vinyl chloride	ND	F2	0.0053	0.0038	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	03/16/22 06:00	03/16/22 08:39	1

Client Sample ID: SSHS-IRM5A2-A2-A99A — Lab Sample ID: 180-134842-7

Date Collected: 03/08/22 14:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.3**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*03/16/22 06:00*	*03/16/22 08:39*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*03/16/22 06:00*	*03/16/22 08:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*03/16/22 06:00*	*03/16/22 08:39*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*03/16/22 06:00*	*03/16/22 08:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**94.3**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A99B — Lab Sample ID: 180-134842-8

Date Collected: 03/08/22 14:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 95.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Ethylbenzene	ND	F1	0.0053	0.0020	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
N-Propylbenzene	ND	F1	0.0053	0.0019	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1
Xylenes, Total	ND	F1	0.011	0.0076	mg/Kg	☼	03/15/22 10:14	03/15/22 10:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*03/15/22 10:14*	*03/15/22 10:38*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*03/15/22 10:14*	*03/15/22 10:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*03/15/22 10:14*	*03/15/22 10:38*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A99B — Lab Sample ID: 180-134842-8

Date Collected: 03/08/22 14:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 95.6**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*115*		*67 - 134*	*03/15/22 10:14*	*03/15/22 10:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.4**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**95.6**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A99C — Lab Sample ID: 180-134842-9

Date Collected: 03/08/22 15:30 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 95.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Acenaphthylene	**0.013**		0.0070	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Anthracene	**0.0074**		0.0070	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Benzo[a]anthracene	**0.010**		0.0070	0.0031	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Benzo[a]pyrene	**0.013**		0.0070	0.0030	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Benzo[b]fluoranthene	**0.016**		0.0070	0.0017	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Benzo[g,h,i]perylene	**0.019**		0.0070	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Benzo[k]fluoranthene	**0.0055**	**J**	0.0070	0.0021	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Chrysene	**0.013**		0.0070	0.0038	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Dibenz(a,h)anthracene	ND		0.0070	0.0044	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Fluoranthene	**0.016**		0.0070	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Indeno[1,2,3-cd]pyrene	**0.012**		0.0070	0.0034	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Naphthalene	**0.0025**	**J**	0.0070	0.0013	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Phenanthrene	**0.0046**	**J**	0.0070	0.0019	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Pyrene	**0.020**		0.0070	0.0016	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*69*		*35 - 105*	*03/10/22 08:41*	*03/11/22 14:41*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*03/10/22 08:41*	*03/11/22 14:41*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*03/10/22 08:41*	*03/11/22 14:41*	*1*
Phenol-d5 (Surr)	*62*		*34 - 105*	*03/10/22 08:41*	*03/11/22 14:41*	*1*
Terphenyl-d14 (Surr)	*65*		*20 - 117*	*03/10/22 08:41*	*03/11/22 14:41*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A99C
Lab Sample ID: 180-134842-9
Date Collected: 03/08/22 15:30 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 95.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*03/10/22 08:41*	*03/11/22 14:41*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0057	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1221	ND		0.018	0.0062	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1248	**0.19**		0.018	0.0042	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1254	**0.054**		0.018	0.0053	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/10/22 08:39	03/11/22 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*03/10/22 08:39*	*03/11/22 14:58*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*03/10/22 08:39*	*03/11/22 14:58*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*03/10/22 08:39*	*03/11/22 14:58*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*03/10/22 08:39*	*03/11/22 14:58*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		0.69	0.43	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Barium	**32**	**F1**	14	2.5	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Beryllium	**0.17**	**J**	0.28	0.075	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Cadmium	**0.082**	**J**	0.35	0.051	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Chromium	**4.7**	**F1**	0.35	0.31	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Copper	**15**		1.7	1.0	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Lead	**7.0**	**F1**	0.69	0.60	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Manganese	**310**		1.0	0.19	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Nickel	**9.8**		2.8	0.35	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Selenium	**0.66**	**J**	0.69	0.32	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Silver	ND		0.35	0.072	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1
Zinc	**43**	**F1**	1.4	0.82	mg/Kg	☼	03/11/22 13:25	03/14/22 08:20	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	03/11/22 14:05	03/14/22 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.9**		0.1	0.1	%			03/09/22 16:00	1
Percent Solids	**95.1**		0.1	0.1	%			03/09/22 16:00	1
Hexavalent chromium	ND		0.42	0.22	mg/Kg	☼	03/09/22 19:20	03/15/22 14:36	1
Cyanide, Total	ND		0.38	0.29	mg/Kg	☼	03/14/22 20:30	03/14/22 23:30	1

Client Sample ID: SSHS-IRM5A2-A2-A100A
Lab Sample ID: 180-134842-10
Date Collected: 03/08/22 15:20 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 93.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0044	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Chloroform	**0.0018**	**J**	0.0056	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	03/15/22 07:00	03/15/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*03/15/22 07:00*	*03/15/22 18:04*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*03/15/22 07:00*	*03/15/22 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*03/15/22 07:00*	*03/15/22 18:04*	*1*
Toluene-d8 (Surr)	*121*		*67 - 134*	*03/15/22 07:00*	*03/15/22 18:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**93.2**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A100B
Lab Sample ID: 180-134842-11
Date Collected: 03/08/22 15:30 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 93.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1

Client Sample ID: SSHS-IRM5A2-A2-A100B
Lab Sample ID: 180-134842-11
Date Collected: 03/08/22 15:30 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 93.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Chloroform	**0.0017**	**J**	0.0052	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/15/22 07:00	03/15/22 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*03/15/22 07:00*	*03/15/22 17:41*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*03/15/22 07:00*	*03/15/22 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*03/15/22 07:00*	*03/15/22 17:41*	*1*
Toluene-d8 (Surr)	*117*		*67 - 134*	*03/15/22 07:00*	*03/15/22 17:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**93.2**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-A100C
Lab Sample ID: 180-134842-12
Date Collected: 03/08/22 15:25 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 94.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Acenaphthylene	**0.038**		0.0070	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Anthracene	**0.020**		0.0070	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Benzo[a]anthracene	**0.025**		0.0070	0.0032	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1

Client Sample ID: SSHS-IRM5A2-A2-A100C **Lab Sample ID: 180-134842-12**
Date Collected: 03/08/22 15:25 **Matrix: Solid**
Date Received: 03/09/22 10:30 **Percent Solids: 94.1**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**0.033**		0.0070	0.0030	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Benzo[b]fluoranthene	**0.045**		0.0070	0.0017	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Benzo[g,h,i]perylene	**0.052**		0.0070	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Benzo[k]fluoranthene	**0.015**		0.0070	0.0021	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Chrysene	**0.033**		0.0070	0.0039	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Dibenz(a,h)anthracene	**0.0099**		0.0070	0.0045	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Fluoranthene	**0.047**		0.0070	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Fluorene	**0.0040**	**J**	0.0070	0.0014	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Indeno[1,2,3-cd]pyrene	**0.041**		0.0070	0.0035	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Naphthalene	**0.0057**	**J**	0.0070	0.0014	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Phenanthrene	**0.016**		0.0070	0.0019	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Pyrene	**0.052**		0.0070	0.0017	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*03/10/22 08:41*	*03/11/22 16:32*	*1*
2-Fluorophenol (Surr)	*75*		*32 - 105*	*03/10/22 08:41*	*03/11/22 16:32*	*1*
Nitrobenzene-d5 (Surr)	*85*		*34 - 109*	*03/10/22 08:41*	*03/11/22 16:32*	*1*
Phenol-d5 (Surr)	*83*		*34 - 105*	*03/10/22 08:41*	*03/11/22 16:32*	*1*
Terphenyl-d14 (Surr)	*79*		*20 - 117*	*03/10/22 08:41*	*03/11/22 16:32*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*20 - 119*	*03/10/22 08:41*	*03/11/22 16:32*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1232	ND		0.017	0.0043	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1242	ND		0.017	0.0026	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1248	**0.19**		0.017	0.0042	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1254	**0.076**		0.017	0.0052	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1
PCB-1268	ND		0.017	0.0024	mg/Kg	☼	03/10/22 08:39	03/11/22 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*03/10/22 08:39*	*03/11/22 16:31*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*03/10/22 08:39*	*03/11/22 16:31*	*1*

Client Sample ID: SSHS-IRM5A2-A2-A100C — Lab Sample ID: 180-134842-12

Date Collected: 03/08/22 15:25 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.1**

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/10/22 08:39*	*03/11/22 16:31*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*03/10/22 08:39*	*03/11/22 16:31*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.0**		0.77	0.48	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Barium	**30**		15	2.7	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Beryllium	**0.15**	**J**	0.31	0.084	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Cadmium	**0.059**	**J**	0.39	0.057	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Chromium	**4.5**		0.39	0.35	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Copper	**12**		1.9	1.2	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Lead	**6.4**		0.77	0.67	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Manganese	**200**		1.2	0.21	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Nickel	**8.4**		3.1	0.39	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Selenium	**0.62**	**J**	0.77	0.36	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Silver	ND		0.39	0.080	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1
Zinc	**33**		1.5	0.92	mg/Kg	☼	03/11/22 13:25	03/14/22 08:43	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.028	0.018	mg/Kg	☼	03/11/22 14:05	03/14/22 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.1	0.1	%			03/09/22 16:00	1
Percent Solids	**94.1**		0.1	0.1	%			03/09/22 16:00	1
Hexavalent chromium	ND		0.42	0.22	mg/Kg	☼	03/09/22 19:20	03/15/22 15:05	1
Cyanide, Total	ND		0.37	0.28	mg/Kg	☼	03/14/22 20:30	03/14/22 23:35	1

Client Sample ID: SSHS-IRM5A2-A2-DUP16A — Lab Sample ID: 180-134842-13

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 93.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1

Client Sample ID: SSHS-IRM5A2-A2-DUP16A — Lab Sample ID: 180-134842-13

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 93.3**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Trichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	03/16/22 06:00	03/16/22 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*03/16/22 06:00*	*03/16/22 10:11*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*03/16/22 06:00*	*03/16/22 10:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*03/16/22 06:00*	*03/16/22 10:11*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*03/16/22 06:00*	*03/16/22 10:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.7**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**93.3**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-DUP16B — Lab Sample ID: 180-134842-14

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
2-Butanone (MEK)	ND		0.0056	0.0028	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Chlorobenzene	ND		0.0056	0.0014	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,3-Dichlorobenzene	ND		0.0056	0.0034	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Methylene Chloride	ND		0.0056	0.0050	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Methyl tert-butyl ether	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1

Client Sample ID: SSHS-IRM5A2-A2-DUP16B — Lab Sample ID: 180-134842-14

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.2**

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
sec-Butylbenzene	ND		0.0056	0.0027	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
tert-Butylbenzene	ND		0.0056	0.0023	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Tetrachloroethene	ND		0.0056	0.0022	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
trans-1,2-Dichloroethene	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Trichloroethene	ND		0.0056	0.0017	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1
Xylenes, Total	ND		0.011	0.0080	mg/Kg	☼	03/15/22 07:00	03/15/22 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*03/15/22 07:00*	*03/15/22 16:55*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*03/15/22 07:00*	*03/15/22 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*03/15/22 07:00*	*03/15/22 16:55*	*1*
Toluene-d8 (Surr)	*123*		*67 - 134*	*03/15/22 07:00*	*03/15/22 16:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.8**		0.1	0.1	%			03/10/22 10:36	1
Percent Solids	**94.2**		0.1	0.1	%			03/10/22 10:36	1

Client Sample ID: SSHS-IRM5A2-A2-DUP16C — Lab Sample ID: 180-134842-15

Date Collected: 03/08/22 00:00 — **Matrix: Solid**
Date Received: 03/09/22 10:30 — **Percent Solids: 94.3**

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0069	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Acenaphthylene	**0.0054**	**J**	0.0069	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Anthracene	**0.0030**	**J**	0.0069	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Benzo[a]anthracene	**0.0041**	**J**	0.0069	0.0031	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Benzo[a]pyrene	**0.0052**	**J**	0.0069	0.0030	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Benzo[b]fluoranthene	**0.0079**		0.0069	0.0017	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Benzo[g,h,i]perylene	**0.0067**	**J**	0.0069	0.0015	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Benzo[k]fluoranthene	**0.0029**	**J**	0.0069	0.0021	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Chrysene	**0.0058**	**J**	0.0069	0.0038	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Dibenz(a,h)anthracene	ND		0.0069	0.0044	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Fluoranthene	**0.0078**		0.0069	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Fluorene	ND		0.0069	0.0014	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Hexachlorobenzene	ND		0.0069	0.0025	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Hexachlorobutadiene	ND		0.0069	0.0020	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Indeno[1,2,3-cd]pyrene	**0.0064**	**J**	0.0069	0.0034	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1

Client Sample ID: SSHS-IRM5A2-A2-DUP16C
Date Collected: 03/08/22 00:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-15
Matrix: Solid
Percent Solids: 94.3

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Naphthalene	**0.0015**	**J**	0.0069	0.0013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Pentachlorophenol	ND		0.18	0.055	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Phenanthrene	**0.0041**	**J**	0.0069	0.0018	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Pyrene	**0.0089**		0.0069	0.0016	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
Pyridine	ND		0.069	0.019	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	03/10/22 08:41	03/11/22 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*03/10/22 08:41*	*03/11/22 16:54*	*1*
2-Fluorophenol (Surr)	*100*		*32 - 105*	*03/10/22 08:41*	*03/11/22 16:54*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*03/10/22 08:41*	*03/11/22 16:54*	*1*
Phenol-d5 (Surr)	*80*		*34 - 105*	*03/10/22 08:41*	*03/11/22 16:54*	*1*
Terphenyl-d14 (Surr)	*81*		*20 - 117*	*03/10/22 08:41*	*03/11/22 16:54*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*	*03/10/22 08:41*	*03/11/22 16:54*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1232	ND		0.017	0.0043	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1242	ND		0.017	0.0026	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1248	**0.34**		0.017	0.0042	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1254	**0.11**		0.017	0.0052	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/10/22 08:39	03/11/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*03/10/22 08:39*	*03/11/22 16:50*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/10/22 08:39*	*03/11/22 16:50*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*03/10/22 08:39*	*03/11/22 16:50*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/10/22 08:39*	*03/11/22 16:50*	*1*

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.6**		0.87	0.55	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Barium	**34**		17	3.1	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Beryllium	**0.20**	**J**	0.35	0.095	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Cadmium	**0.083**	**J**	0.43	0.064	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Chromium	**5.6**		0.43	0.40	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Copper	**15**		2.2	1.3	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Lead	**6.4**		0.87	0.76	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Manganese	**300**		1.3	0.24	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Nickel	**11**		3.5	0.44	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Selenium	**0.77**	**J**	0.87	0.40	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Client Sample ID: SSHS-IRM5A2-A2-DUP16C
Date Collected: 03/08/22 00:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-15
Matrix: Solid
Percent Solids: 94.3

Method: EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.43	0.090	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1
Zinc	**39**		1.7	1.0	mg/Kg	☼	03/11/22 13:25	03/14/22 08:48	1

Method: EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.034	0.022	mg/Kg	☼	03/11/22 14:05	03/14/22 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.1	0.1	%			03/09/22 16:00	1
Percent Solids	**94.3**		0.1	0.1	%			03/09/22 16:00	1
Hexavalent chromium	ND		0.43	0.23	mg/Kg	☼	03/09/22 19:20	03/15/22 15:06	1
Cyanide, Total	ND		0.48	0.37	mg/Kg	☼	03/15/22 13:15	03/15/22 16:34	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-391594/5
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/15/22 09:28	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/15/22 09:28	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/15/22 09:28	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/15/22 09:28	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/15/22 09:28	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/15/22 09:28	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/15/22 09:28	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/15/22 09:28	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/15/22 09:28	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/15/22 09:28	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/15/22 09:28	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/15/22 09:28	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/15/22 09:28	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/15/22 09:28	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/15/22 09:28	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/15/22 09:28	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/15/22 09:28	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/15/22 09:28	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/15/22 09:28	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/15/22 09:28	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/15/22 09:28	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/15/22 09:28	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/15/22 09:28	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/15/22 09:28	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/15/22 09:28	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/15/22 09:28	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/15/22 09:28	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/15/22 09:28	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/15/22 09:28	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/15/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*		*03/15/22 09:28*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*		*03/15/22 09:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*		*03/15/22 09:28*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*		*03/15/22 09:28*	*1*

Lab Sample ID: LCS 180-391594/3
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0349		mg/Kg		87	23 - 170
Benzene	0.0400	0.0433		mg/Kg		108	77 - 120
2-Butanone (MEK)	0.0400	0.0316		mg/Kg		79	39 - 157
Carbon tetrachloride	0.0400	0.0408		mg/Kg		102	73 - 130
Chlorobenzene	0.0400	0.0461		mg/Kg		115	79 - 122
Chloroform	0.0400	0.0397		mg/Kg		99	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-391594/3
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0400	0.0416		mg/Kg		104	77 - 118
1,2-Dichlorobenzene	0.0400	0.0441		mg/Kg		110	76 - 120
1,3-Dichlorobenzene	0.0400	0.0453		mg/Kg		113	77 - 121
1,4-Dichlorobenzene	0.0400	0.0453		mg/Kg		113	79 - 120
1,1-Dichloroethane	0.0400	0.0415		mg/Kg		104	73 - 124
1,2-Dichloroethane	0.0400	0.0427		mg/Kg		107	64 - 140
1,1-Dichloroethene	0.0400	0.0413		mg/Kg		103	55 - 136
1,4-Dioxane	0.800	0.708	J	mg/Kg		88	18 - 166
Ethylbenzene	0.0400	0.0462		mg/Kg		116	79 - 119
Methylene Chloride	0.0400	0.0312		mg/Kg		78	67 - 131
Methyl tert-butyl ether	0.0400	0.0323		mg/Kg		81	58 - 132
n-Butylbenzene	0.0400	0.0492		mg/Kg		123	64 - 136
N-Propylbenzene	0.0400	0.0483		mg/Kg		121	71 - 127
sec-Butylbenzene	0.0400	0.0473		mg/Kg		118	65 - 130
tert-Butylbenzene	0.0400	0.0477		mg/Kg		119	69 - 133
Tetrachloroethene	0.0400	0.0446		mg/Kg		111	71 - 121
Toluene	0.0400	0.0449		mg/Kg		112	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0416		mg/Kg		104	75 - 122
1,1,1-Trichloroethane	0.0400	0.0373		mg/Kg		93	72 - 134
Trichloroethene	0.0400	0.0432		mg/Kg		108	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0451		mg/Kg		113	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0463		mg/Kg		116	69 - 131
Vinyl chloride	0.0400	0.0443		mg/Kg		111	64 - 134
Xylenes, Total	0.0800	0.0899		mg/Kg		112	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: 180-134842-8 MS
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: SSHS-IRM5A2-A2-A99B
Prep Type: Total/NA
Prep Batch: 391615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0417	0.0460		mg/Kg	☼	110	23 - 170
Benzene	ND		0.0417	0.0488		mg/Kg	☼	117	77 - 120
2-Butanone (MEK)	ND		0.0417	0.0402		mg/Kg	☼	96	39 - 157
Carbon tetrachloride	ND		0.0417	0.0452		mg/Kg	☼	108	73 - 130
Chlorobenzene	ND		0.0417	0.0499		mg/Kg	☼	120	79 - 122
Chloroform	ND		0.0417	0.0457		mg/Kg	☼	110	73 - 126
cis-1,2-Dichloroethene	ND		0.0417	0.0464		mg/Kg	☼	111	77 - 118
1,2-Dichlorobenzene	ND		0.0417	0.0485		mg/Kg	☼	116	76 - 120
1,3-Dichlorobenzene	ND		0.0417	0.0502		mg/Kg	☼	120	77 - 121
1,4-Dichlorobenzene	ND		0.0417	0.0500		mg/Kg	☼	120	79 - 120
1,1-Dichloroethane	ND		0.0417	0.0468		mg/Kg	☼	112	73 - 124
1,2-Dichloroethane	ND		0.0417	0.0491		mg/Kg	☼	118	64 - 140

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-134842-8 MS
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: SSHS-IRM5A2-A2-A99B
Prep Type: Total/NA
Prep Batch: 391615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		0.0417	0.0372		mg/Kg	☼	89	55 - 136
1,4-Dioxane	ND		0.834	0.900	J	mg/Kg	☼	108	18 - 166
Ethylbenzene	ND	F1	0.0417	0.0516	F1	mg/Kg	☼	124	79 - 119
Methylene Chloride	ND		0.0417	0.0387		mg/Kg	☼	93	67 - 131
Methyl tert-butyl ether	ND		0.0417	0.0389		mg/Kg	☼	93	58 - 132
n-Butylbenzene	ND		0.0417	0.0544		mg/Kg	☼	130	64 - 136
N-Propylbenzene	ND	F1	0.0417	0.0542	F1	mg/Kg	☼	130	71 - 127
sec-Butylbenzene	ND		0.0417	0.0522		mg/Kg	☼	125	65 - 130
tert-Butylbenzene	ND		0.0417	0.0536		mg/Kg	☼	129	69 - 133
Tetrachloroethene	ND		0.0417	0.0502		mg/Kg	☼	120	71 - 121
Toluene	ND		0.0417	0.0497		mg/Kg	☼	119	76 - 120
trans-1,2-Dichloroethene	ND		0.0417	0.0465		mg/Kg	☼	112	75 - 122
1,1,1-Trichloroethane	ND		0.0417	0.0419		mg/Kg	☼	101	72 - 134
Trichloroethene	ND		0.0417	0.0481		mg/Kg	☼	115	69 - 118
1,2,4-Trimethylbenzene	ND		0.0417	0.0500		mg/Kg	☼	120	74 - 127
1,3,5-Trimethylbenzene	ND		0.0417	0.0513		mg/Kg	☼	123	69 - 131
Vinyl chloride	ND		0.0417	0.0408		mg/Kg	☼	98	64 - 134
Xylenes, Total	ND	F1	0.0834	0.100	F1	mg/Kg	☼	120	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*
Dibromofluoromethane (Surr)	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*
Toluene-d8 (Surr)	*114*		*67 - 134*

Lab Sample ID: 180-134842-8 MSD
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: SSHS-IRM5A2-A2-A99B
Prep Type: Total/NA
Prep Batch: 391615

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0410	0.0430		mg/Kg	☼	105	23 - 170	7	35
Benzene	ND		0.0410	0.0445		mg/Kg	☼	109	77 - 120	9	20
2-Butanone (MEK)	ND		0.0410	0.0376		mg/Kg	☼	92	39 - 157	7	33
Carbon tetrachloride	ND		0.0410	0.0405		mg/Kg	☼	99	73 - 130	11	21
Chlorobenzene	ND		0.0410	0.0462		mg/Kg	☼	113	79 - 122	8	20
Chloroform	ND		0.0410	0.0412		mg/Kg	☼	101	73 - 126	10	20
cis-1,2-Dichloroethene	ND		0.0410	0.0430		mg/Kg	☼	105	77 - 118	8	20
1,2-Dichlorobenzene	ND		0.0410	0.0441		mg/Kg	☼	108	76 - 120	10	20
1,3-Dichlorobenzene	ND		0.0410	0.0445		mg/Kg	☼	109	77 - 121	12	20
1,4-Dichlorobenzene	ND		0.0410	0.0448		mg/Kg	☼	109	79 - 120	11	20
1,1-Dichloroethane	ND		0.0410	0.0428		mg/Kg	☼	105	73 - 124	9	20
1,2-Dichloroethane	ND		0.0410	0.0446		mg/Kg	☼	109	64 - 140	10	20
1,1-Dichloroethene	ND		0.0410	0.0384		mg/Kg	☼	94	55 - 136	3	21
1,4-Dioxane	ND		0.819	0.880	J	mg/Kg	☼	107	18 - 166	2	40
Ethylbenzene	ND	F1	0.0410	0.0465		mg/Kg	☼	114	79 - 119	10	20
Methylene Chloride	ND		0.0410	0.0400		mg/Kg	☼	98	67 - 131	3	32
Methyl tert-butyl ether	ND		0.0410	0.0365		mg/Kg	☼	89	58 - 132	6	24
n-Butylbenzene	ND		0.0410	0.0471		mg/Kg	☼	115	64 - 136	14	21

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-134842-8 MSD
Matrix: Solid
Analysis Batch: 391594

Client Sample ID: SSHS-IRM5A2-A2-A99B
Prep Type: Total/NA
Prep Batch: 391615

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND	F1	0.0410	0.0478		mg/Kg	☼	117	71 - 127	13	20
sec-Butylbenzene	ND		0.0410	0.0457		mg/Kg	☼	112	65 - 130	13	20
tert-Butylbenzene	ND		0.0410	0.0465		mg/Kg	☼	114	69 - 133	14	23
Tetrachloroethene	ND		0.0410	0.0442		mg/Kg	☼	108	71 - 121	13	21
Toluene	ND		0.0410	0.0451		mg/Kg	☼	110	76 - 120	10	20
trans-1,2-Dichloroethene	ND		0.0410	0.0424		mg/Kg	☼	104	75 - 122	9	20
1,1,1-Trichloroethane	ND		0.0410	0.0385		mg/Kg	☼	94	72 - 134	9	20
Trichloroethene	ND		0.0410	0.0437		mg/Kg	☼	107	69 - 118	10	20
1,2,4-Trimethylbenzene	ND		0.0410	0.0443		mg/Kg	☼	108	74 - 127	12	20
1,3,5-Trimethylbenzene	ND		0.0410	0.0453		mg/Kg	☼	111	69 - 131	12	20
Vinyl chloride	ND		0.0410	0.0414		mg/Kg	☼	101	64 - 134	1	23
Xylenes, Total	ND	F1	0.0819	0.0912		mg/Kg	☼	111	78 - 118	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Lab Sample ID: MB 180-391757/5
Matrix: Solid
Analysis Batch: 391757

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/16/22 08:16	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/16/22 08:16	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/16/22 08:16	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/16/22 08:16	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/16/22 08:16	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/16/22 08:16	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/16/22 08:16	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/16/22 08:16	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/16/22 08:16	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/16/22 08:16	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/16/22 08:16	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/16/22 08:16	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/16/22 08:16	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/16/22 08:16	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/16/22 08:16	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/16/22 08:16	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/16/22 08:16	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/16/22 08:16	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/16/22 08:16	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/16/22 08:16	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/16/22 08:16	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/16/22 08:16	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/16/22 08:16	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/16/22 08:16	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-391757/5
Matrix: Solid
Analysis Batch: 391757

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/16/22 08:16	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/16/22 08:16	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/16/22 08:16	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/16/22 08:16	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/16/22 08:16	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/16/22 08:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*		*03/16/22 08:16*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*		*03/16/22 08:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*		*03/16/22 08:16*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*		*03/16/22 08:16*	*1*

Lab Sample ID: LCS 180-391757/3
Matrix: Solid
Analysis Batch: 391757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0400	0.0384		mg/Kg		96	23 - 170
Benzene	0.0400	0.0477		mg/Kg		119	77 - 120
2-Butanone (MEK)	0.0400	0.0346		mg/Kg		86	39 - 157
Carbon tetrachloride	0.0400	0.0438		mg/Kg		110	73 - 130
Chlorobenzene	0.0400	0.0428		mg/Kg		107	79 - 122
Chloroform	0.0400	0.0440		mg/Kg		110	73 - 126
cis-1,2-Dichloroethene	0.0400	0.0447		mg/Kg		112	77 - 118
1,2-Dichlorobenzene	0.0400	0.0420		mg/Kg		105	76 - 120
1,3-Dichlorobenzene	0.0400	0.0421		mg/Kg		105	77 - 121
1,4-Dichlorobenzene	0.0400	0.0423		mg/Kg		106	79 - 120
1,1-Dichloroethane	0.0400	0.0454		mg/Kg		114	73 - 124
1,2-Dichloroethane	0.0400	0.0470		mg/Kg		118	64 - 140
1,1-Dichloroethene	0.0400	0.0461		mg/Kg		115	55 - 136
1,4-Dioxane	0.800	0.798	J	mg/Kg		100	18 - 166
Ethylbenzene	0.0400	0.0434		mg/Kg		109	79 - 119
Methylene Chloride	0.0400	0.0455		mg/Kg		114	67 - 131
Methyl tert-butyl ether	0.0400	0.0357		mg/Kg		89	58 - 132
n-Butylbenzene	0.0400	0.0457		mg/Kg		114	64 - 136
N-Propylbenzene	0.0400	0.0450		mg/Kg		112	71 - 127
sec-Butylbenzene	0.0400	0.0443		mg/Kg		111	65 - 130
tert-Butylbenzene	0.0400	0.0445		mg/Kg		111	69 - 133
Tetrachloroethene	0.0400	0.0406		mg/Kg		101	71 - 121
Toluene	0.0400	0.0415		mg/Kg		104	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0441		mg/Kg		110	75 - 122
1,1,1-Trichloroethane	0.0400	0.0417		mg/Kg		104	72 - 134
Trichloroethene	0.0400	0.0462		mg/Kg		116	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0429		mg/Kg		107	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0431		mg/Kg		108	69 - 131
Vinyl chloride	0.0400	0.0503		mg/Kg		126	64 - 134
Xylenes, Total	0.0800	0.0837		mg/Kg		105	78 - 118

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-391757/3
Matrix: Solid
Analysis Batch: 391757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*114*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: 180-134842-7 MS
Matrix: Solid
Analysis Batch: 391757

Client Sample ID: SSHS-IRM5A2-A2-A99A
Prep Type: Total/NA
Prep Batch: 391777

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.0410	0.0484		mg/Kg	☼	118	23 - 170
Benzene	ND		0.0410	0.0486		mg/Kg	☼	119	77 - 120
2-Butanone (MEK)	ND		0.0410	0.0442		mg/Kg	☼	108	39 - 157
Carbon tetrachloride	ND		0.0410	0.0458		mg/Kg	☼	112	73 - 130
Chlorobenzene	ND		0.0410	0.0453		mg/Kg	☼	111	79 - 122
Chloroform	ND		0.0410	0.0450		mg/Kg	☼	110	73 - 126
cis-1,2-Dichloroethene	ND		0.0410	0.0464		mg/Kg	☼	113	77 - 118
1,2-Dichlorobenzene	ND		0.0410	0.0438		mg/Kg	☼	107	76 - 120
1,3-Dichlorobenzene	ND		0.0410	0.0454		mg/Kg	☼	111	77 - 121
1,4-Dichlorobenzene	ND		0.0410	0.0447		mg/Kg	☼	109	79 - 120
1,1-Dichloroethane	ND		0.0410	0.0463		mg/Kg	☼	113	73 - 124
1,2-Dichloroethane	ND		0.0410	0.0481		mg/Kg	☼	117	64 - 140
1,1-Dichloroethene	ND	F2	0.0410	0.0347		mg/Kg	☼	85	55 - 136
1,4-Dioxane	ND		0.820	0.922	J	mg/Kg	☼	112	18 - 166
Ethylbenzene	ND		0.0410	0.0471		mg/Kg	☼	115	79 - 119
Methylene Chloride	ND		0.0410	0.0358		mg/Kg	☼	87	67 - 131
Methyl tert-butyl ether	ND		0.0410	0.0370		mg/Kg	☼	90	58 - 132
n-Butylbenzene	ND		0.0410	0.0480		mg/Kg	☼	117	64 - 136
N-Propylbenzene	ND		0.0410	0.0503		mg/Kg	☼	123	71 - 127
sec-Butylbenzene	ND		0.0410	0.0477		mg/Kg	☼	116	65 - 130
tert-Butylbenzene	ND		0.0410	0.0493		mg/Kg	☼	120	69 - 133
Tetrachloroethene	ND		0.0410	0.0448		mg/Kg	☼	109	71 - 121
Toluene	ND		0.0410	0.0450		mg/Kg	☼	110	76 - 120
trans-1,2-Dichloroethene	ND		0.0410	0.0461		mg/Kg	☼	112	75 - 122
1,1,1-Trichloroethane	ND		0.0410	0.0432		mg/Kg	☼	105	72 - 134
Trichloroethene	ND		0.0410	0.0467		mg/Kg	☼	114	69 - 118
1,2,4-Trimethylbenzene	ND		0.0410	0.0461		mg/Kg	☼	113	74 - 127
1,3,5-Trimethylbenzene	ND		0.0410	0.0480		mg/Kg	☼	117	69 - 131
Vinyl chloride	ND	F2	0.0410	0.0367		mg/Kg	☼	90	64 - 134
Xylenes, Total	ND		0.0820	0.0915		mg/Kg	☼	112	78 - 118

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*114*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-134842-7 MSD
Matrix: Solid
Analysis Batch: 391757

Client Sample ID: SSHS-IRM5A2-A2-A99A
Prep Type: Total/NA
Prep Batch: 391777

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.0428	0.0453		mg/Kg	☼	106	23 - 170	7	35
Benzene	ND		0.0428	0.0512		mg/Kg	☼	120	77 - 120	5	20
2-Butanone (MEK)	ND		0.0428	0.0443		mg/Kg	☼	103	39 - 157	0	33
Carbon tetrachloride	ND		0.0428	0.0473		mg/Kg	☼	111	73 - 130	3	21
Chlorobenzene	ND		0.0428	0.0481		mg/Kg	☼	112	79 - 122	6	20
Chloroform	ND		0.0428	0.0476		mg/Kg	☼	111	73 - 126	6	20
cis-1,2-Dichloroethene	ND		0.0428	0.0479		mg/Kg	☼	112	77 - 118	3	20
1,2-Dichlorobenzene	ND		0.0428	0.0475		mg/Kg	☼	111	76 - 120	8	20
1,3-Dichlorobenzene	ND		0.0428	0.0478		mg/Kg	☼	112	77 - 121	5	20
1,4-Dichlorobenzene	ND		0.0428	0.0480		mg/Kg	☼	112	79 - 120	7	20
1,1-Dichloroethane	ND		0.0428	0.0484		mg/Kg	☼	113	73 - 124	4	20
1,2-Dichloroethane	ND		0.0428	0.0498		mg/Kg	☼	116	64 - 140	3	20
1,1-Dichloroethene	ND	F2	0.0428	0.0465	F2	mg/Kg	☼	109	55 - 136	29	21
1,4-Dioxane	ND		0.856	0.932	J	mg/Kg	☼	109	18 - 166	1	40
Ethylbenzene	ND		0.0428	0.0492		mg/Kg	☼	115	79 - 119	4	20
Methylene Chloride	ND		0.0428	0.0462		mg/Kg	☼	108	67 - 131	25	32
Methyl tert-butyl ether	ND		0.0428	0.0407		mg/Kg	☼	95	58 - 132	10	24
n-Butylbenzene	ND		0.0428	0.0518		mg/Kg	☼	121	64 - 136	8	21
N-Propylbenzene	ND		0.0428	0.0516		mg/Kg	☼	121	71 - 127	3	20
sec-Butylbenzene	ND		0.0428	0.0501		mg/Kg	☼	117	65 - 130	5	20
tert-Butylbenzene	ND		0.0428	0.0506		mg/Kg	☼	118	69 - 133	3	23
Tetrachloroethene	ND		0.0428	0.0469		mg/Kg	☼	109	71 - 121	4	21
Toluene	ND		0.0428	0.0476		mg/Kg	☼	111	76 - 120	6	20
trans-1,2-Dichloroethene	ND		0.0428	0.0483		mg/Kg	☼	113	75 - 122	5	20
1,1,1-Trichloroethane	ND		0.0428	0.0437		mg/Kg	☼	102	72 - 134	1	20
Trichloroethene	ND		0.0428	0.0495		mg/Kg	☼	116	69 - 118	6	20
1,2,4-Trimethylbenzene	ND		0.0428	0.0482		mg/Kg	☼	113	74 - 127	4	20
1,3,5-Trimethylbenzene	ND		0.0428	0.0490		mg/Kg	☼	114	69 - 131	2	20
Vinyl chloride	ND	F2	0.0428	0.0502	F2	mg/Kg	☼	117	64 - 134	31	23
Xylenes, Total	ND		0.0856	0.0950		mg/Kg	☼	111	78 - 118	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*117*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-391074/1-A
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Anthracene	ND		0.0067	0.0017	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		03/10/22 08:41	03/11/22 11:45	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-391074/1-A
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Chrysene	ND		0.0067	0.0037	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Fluorene	ND		0.0067	0.0013	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Phenol	ND		0.033	0.010	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Pyrene	ND		0.0067	0.0016	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
Pyridine	ND		0.067	0.018	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		03/10/22 08:41	03/11/22 11:45	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		03/10/22 08:41	03/11/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*03/10/22 08:41*	*03/11/22 11:45*	*1*
2-Fluorophenol (Surr)	*84*		*32 - 105*	*03/10/22 08:41*	*03/11/22 11:45*	*1*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*	*03/10/22 08:41*	*03/11/22 11:45*	*1*
Phenol-d5 (Surr)	*79*		*34 - 105*	*03/10/22 08:41*	*03/11/22 11:45*	*1*
Terphenyl-d14 (Surr)	*81*		*20 - 117*	*03/10/22 08:41*	*03/11/22 11:45*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 119*	*03/10/22 08:41*	*03/11/22 11:45*	*1*

Lab Sample ID: LCS 180-391074/2-A
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.667	0.469		mg/Kg		70	41 - 100
Acenaphthylene	0.667	0.435		mg/Kg		65	45 - 100
Anthracene	0.667	0.443		mg/Kg		66	47 - 100
Benzo[a]anthracene	0.667	0.447		mg/Kg		67	47 - 100
Benzo[a]pyrene	0.667	0.453		mg/Kg		68	45 - 101
Benzo[b]fluoranthene	0.667	0.491		mg/Kg		74	44 - 100
Benzo[g,h,i]perylene	0.667	0.433		mg/Kg		65	45 - 103
Benzo[k]fluoranthene	0.667	0.450		mg/Kg		67	43 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-391074/2-A
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	0.667	0.434		mg/Kg		65	44 - 100
Dibenz(a,h)anthracene	0.667	0.459		mg/Kg		69	46 - 107
Dibenzofuran	0.667	0.452		mg/Kg		68	47 - 100
2,4-Dinitrotoluene	0.667	0.503		mg/Kg		75	48 - 106
1,4-Dioxane	0.667	0.567		mg/Kg		85	10 - 133
Fluoranthene	0.667	0.448		mg/Kg		67	49 - 102
Fluorene	0.667	0.463		mg/Kg		69	46 - 100
Hexachlorobenzene	0.667	0.487		mg/Kg		73	45 - 101
Hexachlorobutadiene	0.667	0.452		mg/Kg		68	38 - 110
Hexachloroethane	0.667	0.429		mg/Kg		64	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.462		mg/Kg		69	48 - 104
2-Methylphenol	0.667	0.423		mg/Kg		63	43 - 101
Methylphenol, 3 & 4	0.667	0.448		mg/Kg		67	43 - 104
Naphthalene	0.667	0.419		mg/Kg		63	43 - 100
Nitrobenzene	0.667	0.473		mg/Kg		71	43 - 107
Pentachlorophenol	1.33	0.882		mg/Kg		66	34 - 112
Phenanthrene	0.667	0.452		mg/Kg		68	46 - 100
Phenol	0.667	0.428		mg/Kg		64	42 - 103
Pyrene	0.667	0.438		mg/Kg		66	44 - 102
Pyridine	1.33	0.984		mg/Kg		74	25 - 109
2,4,5-Trichlorophenol	0.667	0.511		mg/Kg		77	47 - 108
2,4,6-Trichlorophenol	0.667	0.507		mg/Kg		76	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*35 - 105*
2-Fluorophenol (Surr)	*82*		*32 - 105*
Nitrobenzene-d5 (Surr)	*81*		*34 - 109*
Phenol-d5 (Surr)	*73*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*87*		*20 - 119*

Lab Sample ID: 180-134842-9 MS
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		0.701	0.564		mg/Kg	☼	80	41 - 100
Acenaphthylene	0.013		0.701	0.585		mg/Kg	☼	82	45 - 100
Anthracene	0.0074		0.701	0.575		mg/Kg	☼	81	47 - 100
Benzo[a]anthracene	0.010		0.701	0.539		mg/Kg	☼	76	47 - 100
Benzo[a]pyrene	0.013		0.701	0.528		mg/Kg	☼	73	45 - 101
Benzo[b]fluoranthene	0.016		0.701	0.527		mg/Kg	☼	73	44 - 100
Benzo[g,h,i]perylene	0.019		0.701	0.564		mg/Kg	☼	78	45 - 103
Benzo[k]fluoranthene	0.0055	J	0.701	0.520		mg/Kg	☼	73	43 - 100
Chrysene	0.013		0.701	0.543		mg/Kg	☼	76	44 - 100
Dibenz(a,h)anthracene	ND		0.701	0.559		mg/Kg	☼	80	46 - 107
Dibenzofuran	ND		0.701	0.544		mg/Kg	☼	78	47 - 100
2,4-Dinitrotoluene	ND		0.701	0.584		mg/Kg	☼	83	48 - 106

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-134842-9 MS
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		0.701	0.327		mg/Kg	☼	47	10 - 133
Fluoranthene	0.016		0.701	0.556		mg/Kg	☼	77	49 - 102
Fluorene	ND		0.701	0.585		mg/Kg	☼	83	46 - 100
Hexachlorobenzene	ND		0.701	0.621		mg/Kg	☼	88	45 - 101
Hexachlorobutadiene	ND		0.701	0.532		mg/Kg	☼	76	38 - 110
Hexachloroethane	ND		0.701	0.468		mg/Kg	☼	67	40 - 100
Indeno[1,2,3-cd]pyrene	0.012		0.701	0.576		mg/Kg	☼	81	48 - 104
2-Methylphenol	ND		0.701	0.509		mg/Kg	☼	73	43 - 101
Methylphenol, 3 & 4	ND		0.701	0.518		mg/Kg	☼	74	43 - 104
Naphthalene	0.0025	J	0.701	0.503		mg/Kg	☼	71	43 - 100
Nitrobenzene	ND		0.701	0.547		mg/Kg	☼	78	43 - 107
Pentachlorophenol	ND		1.40	0.719		mg/Kg	☼	51	34 - 112
Phenanthrene	0.0046	J	0.701	0.546		mg/Kg	☼	77	46 - 100
Phenol	ND		0.701	0.539		mg/Kg	☼	77	42 - 103
Pyrene	0.020		0.701	0.535		mg/Kg	☼	74	44 - 102
Pyridine	ND		1.40	0.549		mg/Kg	☼	39	25 - 109
2,4,5-Trichlorophenol	ND		0.701	0.628		mg/Kg	☼	89	47 - 108
2,4,6-Trichlorophenol	ND		0.701	0.630		mg/Kg	☼	90	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*35 - 105*
2-Fluorophenol (Surr)	*85*		*32 - 105*
Nitrobenzene-d5 (Surr)	*88*		*34 - 109*
Phenol-d5 (Surr)	*84*		*34 - 105*
Terphenyl-d14 (Surr)	*85*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*101*		*20 - 119*

Lab Sample ID: 180-134842-9 MSD
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		0.692	0.520		mg/Kg	☼	75	41 - 100	8	22
Acenaphthylene	0.013		0.692	0.556		mg/Kg	☼	78	45 - 100	5	23
Anthracene	0.0074		0.692	0.546		mg/Kg	☼	78	47 - 100	5	26
Benzo[a]anthracene	0.010		0.692	0.529		mg/Kg	☼	75	47 - 100	2	24
Benzo[a]pyrene	0.013		0.692	0.490		mg/Kg	☼	69	45 - 101	7	21
Benzo[b]fluoranthene	0.016		0.692	0.498		mg/Kg	☼	70	44 - 100	6	26
Benzo[g,h,i]perylene	0.019		0.692	0.573		mg/Kg	☼	80	45 - 103	2	22
Benzo[k]fluoranthene	0.0055	J	0.692	0.484		mg/Kg	☼	69	43 - 100	7	18
Chrysene	0.013		0.692	0.512		mg/Kg	☼	72	44 - 100	6	26
Dibenz(a,h)anthracene	ND		0.692	0.567		mg/Kg	☼	82	46 - 107	1	24
Dibenzofuran	ND		0.692	0.526		mg/Kg	☼	76	47 - 100	3	19
2,4-Dinitrotoluene	ND		0.692	0.567		mg/Kg	☼	82	48 - 106	3	20
1,4-Dioxane	ND		0.692	0.338		mg/Kg	☼	49	10 - 133	3	40
Fluoranthene	0.016		0.692	0.547		mg/Kg	☼	77	49 - 102	2	26
Fluorene	ND		0.692	0.545		mg/Kg	☼	79	46 - 100	7	22
Hexachlorobenzene	ND		0.692	0.582		mg/Kg	☼	84	45 - 101	6	27

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-134842-9 MSD
Matrix: Solid
Analysis Batch: 391259

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		0.692	0.511		mg/Kg	☼	74	38 - 110	4	27
Hexachloroethane	ND		0.692	0.462		mg/Kg	☼	67	40 - 100	1	27
Indeno[1,2,3-cd]pyrene	0.012		0.692	0.584		mg/Kg	☼	83	48 - 104	1	22
2-Methylphenol	ND		0.692	0.495		mg/Kg	☼	72	43 - 101	3	27
Methylphenol, 3 & 4	ND		0.692	0.516		mg/Kg	☼	75	43 - 104	0	24
Naphthalene	0.0025	J	0.692	0.487		mg/Kg	☼	70	43 - 100	3	28
Nitrobenzene	ND		0.692	0.532		mg/Kg	☼	77	43 - 107	3	28
Pentachlorophenol	ND		1.38	0.664		mg/Kg	☼	48	34 - 112	8	28
Phenanthrene	0.0046	J	0.692	0.524		mg/Kg	☼	75	46 - 100	4	27
Phenol	ND		0.692	0.528		mg/Kg	☼	76	42 - 103	2	30
Pyrene	0.020		0.692	0.505		mg/Kg	☼	70	44 - 102	6	27
Pyridine	ND		1.38	0.534		mg/Kg	☼	39	25 - 109	3	31
2,4,5-Trichlorophenol	ND		0.692	0.563		mg/Kg	☼	81	47 - 108	11	19
2,4,6-Trichlorophenol	ND		0.692	0.576		mg/Kg	☼	83	47 - 108	9	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*35 - 105*
2-Fluorophenol (Surr)	*86*		*32 - 105*
Nitrobenzene-d5 (Surr)	*85*		*34 - 109*
Phenol-d5 (Surr)	*83*		*34 - 105*
Terphenyl-d14 (Surr)	*81*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*99*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-391073/1-A
Matrix: Solid
Analysis Batch: 391193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1221	ND		0.017	0.0059	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1232	ND		0.017	0.0041	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1242	ND		0.017	0.0024	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1248	ND		0.017	0.0040	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1254	ND		0.017	0.0050	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1260	ND		0.017	0.0047	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1262	ND		0.017	0.0059	mg/Kg		03/10/22 08:39	03/11/22 14:20	1
PCB-1268	ND		0.017	0.0022	mg/Kg		03/10/22 08:39	03/11/22 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*03/10/22 08:39*	*03/11/22 14:20*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*03/10/22 08:39*	*03/11/22 14:20*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*03/10/22 08:39*	*03/11/22 14:20*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*03/10/22 08:39*	*03/11/22 14:20*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-391073/2-A
Matrix: Solid
Analysis Batch: 391193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391073

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.33	1.07		mg/Kg		80	43 - 136		
PCB-1260			1.33	1.13		mg/Kg		85	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*

Lab Sample ID: 180-134842-9 MS
Matrix: Solid
Analysis Batch: 391193

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.39	1.47		mg/Kg	☼	106	43 - 136		
PCB-1260	ND		1.39	1.49		mg/Kg	☼	107	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*

Lab Sample ID: 180-134842-9 MSD
Matrix: Solid
Analysis Batch: 391193

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391073

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.36	1.33		mg/Kg	☼	98	43 - 136	10	40
PCB-1260	ND		1.36	1.27		mg/Kg	☼	93	55 - 128	16	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-391326/1-A
Matrix: Solid
Analysis Batch: 391518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Barium	ND		20	3.6	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Beryllium	ND		0.40	0.11	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Cadmium	ND		0.50	0.073	mg/Kg		03/11/22 13:25	03/14/22 07:20	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-391326/1-A
Matrix: Solid
Analysis Batch: 391518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50	0.46	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Copper	ND		2.5	1.5	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Lead	ND		1.0	0.87	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Manganese	ND		1.5	0.28	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Nickel	ND		4.0	0.50	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Selenium	ND		1.0	0.46	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Silver	ND		0.50	0.10	mg/Kg		03/11/22 13:25	03/14/22 07:20	1
Zinc	ND		2.0	1.2	mg/Kg		03/11/22 13:25	03/14/22 07:20	1

Lab Sample ID: LCS 180-391326/2-A
Matrix: Solid
Analysis Batch: 391518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	95.2		mg/Kg		95	80 - 120
Barium	100	94.0		mg/Kg		94	80 - 120
Beryllium	50.0	48.2		mg/Kg		96	80 - 120
Cadmium	50.0	47.5		mg/Kg		95	80 - 120
Chromium	50.0	48.2		mg/Kg		96	80 - 120
Copper	50.0	48.0		mg/Kg		96	80 - 120
Lead	50.0	45.3		mg/Kg		91	80 - 120
Manganese	50.0	46.9		mg/Kg		94	80 - 120
Nickel	50.0	47.2		mg/Kg		94	80 - 120
Selenium	100	93.8		mg/Kg		94	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	23.1		mg/Kg		92	80 - 120

Lab Sample ID: 180-134842-9 MS
Matrix: Solid
Analysis Batch: 391518

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.0		68.7	56.4		mg/Kg	☼	76	75 - 125
Barium	32	F1	68.7	81.6	F1	mg/Kg	☼	72	75 - 125
Beryllium	0.17	J	34.4	26.0		mg/Kg	☼	75	75 - 125
Cadmium	0.082	J	34.4	26.7		mg/Kg	☼	77	75 - 125
Chromium	4.7	F1	34.4	30.2	F1	mg/Kg	☼	74	75 - 125
Copper	15		34.4	42.3		mg/Kg	☼	79	75 - 125
Lead	7.0	F1	34.4	32.8		mg/Kg	☼	75	75 - 125
Manganese	310		34.4	314	4	mg/Kg	☼	2	75 - 125
Nickel	9.8		34.4	37.8		mg/Kg	☼	81	75 - 125
Selenium	0.66	J	68.7	52.6		mg/Kg	☼	76	75 - 125
Silver	ND		17.2	13.8		mg/Kg	☼	80	75 - 125
Zinc	43	F1	17.2	51.1	F1	mg/Kg	☼	49	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-134842-9 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A99C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391518 — **Prep Batch: 391326**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.0		68.7	56.9		mg/Kg	☼	77	75 - 125	1	20
Barium	32	F1	68.7	81.9	F1	mg/Kg	☼	72	75 - 125	0	20
Beryllium	0.17	J	34.4	26.1		mg/Kg	☼	76	75 - 125	1	20
Cadmium	0.082	J	34.4	26.7		mg/Kg	☼	77	75 - 125	0	20
Chromium	4.7	F1	34.4	30.3	F1	mg/Kg	☼	74	75 - 125	0	20
Copper	15		34.4	43.2		mg/Kg	☼	82	75 - 125	2	20
Lead	7.0	F1	34.4	32.5	F1	mg/Kg	☼	74	75 - 125	1	20
Manganese	310		34.4	327	4	mg/Kg	☼	41	75 - 125	4	20
Nickel	9.8		34.4	38.1		mg/Kg	☼	82	75 - 125	1	20
Selenium	0.66	J	68.7	52.8		mg/Kg	☼	76	75 - 125	0	20
Silver	ND		17.2	13.8		mg/Kg	☼	80	75 - 125	0	20
Zinc	43	F1	17.2	50.5	F1	mg/Kg	☼	45	75 - 125	1	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-391335/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391545 — **Prep Batch: 391335**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/11/22 14:05	03/14/22 12:28	1

Lab Sample ID: LCS 180-391335/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391545 — **Prep Batch: 391335**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.457		mg/Kg		110	80 - 120

Lab Sample ID: 180-134842-9 MS — **Client Sample ID: SSHS-IRM5A2-A2-A99C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391545 — **Prep Batch: 391335**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.170	0.197		mg/Kg	☼	116	80 - 120

Lab Sample ID: 180-134842-9 MSD — **Client Sample ID: SSHS-IRM5A2-A2-A99C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 391545 — **Prep Batch: 391335**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.170	0.203		mg/Kg	☼	120	80 - 120	3	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-134842-14 DU
Matrix: Solid
Analysis Batch: 391093

Client Sample ID: SSHS-IRM5A2-A2-DUP16B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.8		5.4		%		7	10
Percent Solids	94.2		94.6		%		0.4	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-391042/1-A
Matrix: Solid
Analysis Batch: 391720

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		03/09/22 19:20	03/15/22 14:34	1

Lab Sample ID: LCSI 180-391042/3-A
Matrix: Solid
Analysis Batch: 391720

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391042

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	708	653		mg/Kg		92	80 - 120

Lab Sample ID: LCSS 180-391042/2-A
Matrix: Solid
Analysis Batch: 391720

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391042

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	20.0	17.6		mg/Kg		88	80 - 120

Lab Sample ID: 180-134842-9 MSI
Matrix: Solid
Analysis Batch: 391720

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		745	694		mg/Kg	☼	93	75 - 125

Lab Sample ID: 180-134842-9 MSS
Matrix: Solid
Analysis Batch: 391720

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		20.8	18.4		mg/Kg	☼	88	75 - 125

Lab Sample ID: 180-134842-9 DU
Matrix: Solid
Analysis Batch: 391720

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391042

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND		ND		mg/Kg	☼	NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-391569/4-A
Matrix: Solid
Analysis Batch: 391612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/14/22 20:30	03/14/22 23:21	1

Lab Sample ID: HLCS 180-391569/2-A
Matrix: Solid
Analysis Batch: 391633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391569

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-391569/3-A
Matrix: Solid
Analysis Batch: 391612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	21.5		mg/Kg		93	17 - 163

Lab Sample ID: LLCS 180-391569/1-A
Matrix: Solid
Analysis Batch: 391612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391569

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0535		mg/Kg		107	90 - 110

Lab Sample ID: 180-134842-9 MS
Matrix: Solid
Analysis Batch: 391612

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		3.90	3.51		mg/Kg	☼	90	75 - 125

Lab Sample ID: 180-134842-9 MSD
Matrix: Solid
Analysis Batch: 391612

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 391569

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		3.76	3.20		mg/Kg	☼	85	75 - 125	9	20

Lab Sample ID: MB 180-391662/4-A
Matrix: Solid
Analysis Batch: 391722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		03/15/22 13:15	03/15/22 16:32	1

Lab Sample ID: HLCS 180-391662/2-A
Matrix: Solid
Analysis Batch: 391722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391662

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.256		mg/Kg		102	90 - 110

Method: EPA 9014 - Cyanide

Lab Sample ID: LCS 180-391662/3-A
Matrix: Solid
Analysis Batch: 391722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	21.7		mg/Kg		94	17 - 163

Lab Sample ID: LLCS 180-391662/1-A
Matrix: Solid
Analysis Batch: 391722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391662

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0515		mg/Kg		103	90 - 110

Lab Sample ID: 180-134842-15 MS
Matrix: Solid
Analysis Batch: 391722

Client Sample ID: SSHS-IRM5A2-A2-DUP16C
Prep Type: Total/NA
Prep Batch: 391662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		8.16	8.22		mg/Kg	☼	101	75 - 125

Lab Sample ID: 180-134842-15 MSD
Matrix: Solid
Analysis Batch: 391722

Client Sample ID: SSHS-IRM5A2-A2-DUP16C
Prep Type: Total/NA
Prep Batch: 391662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		8.49	9.48		mg/Kg	☼	112	75 - 125	14	20

GC/MS VOA

Analysis Batch: 391594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-1	SSHS-IRM5A2-A2-A97A	Total/NA	Solid	EPA 8260C	391615
180-134842-2	SSHS-IRM5A2-A2-A97B	Total/NA	Solid	EPA 8260C	391615
180-134842-8	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	EPA 8260C	391615
180-134842-10	SSHS-IRM5A2-A2-A100A	Total/NA	Solid	EPA 8260C	391615
180-134842-11	SSHS-IRM5A2-A2-A100B	Total/NA	Solid	EPA 8260C	391615
180-134842-14	SSHS-IRM5A2-A2-DUP16B	Total/NA	Solid	EPA 8260C	391615
MB 180-391594/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-391594/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-134842-8 MS	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	EPA 8260C	391615
180-134842-8 MSD	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	EPA 8260C	391615

Prep Batch: 391615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-1	SSHS-IRM5A2-A2-A97A	Total/NA	Solid	5035	
180-134842-2	SSHS-IRM5A2-A2-A97B	Total/NA	Solid	5035	
180-134842-8	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	5035	
180-134842-10	SSHS-IRM5A2-A2-A100A	Total/NA	Solid	5035	
180-134842-11	SSHS-IRM5A2-A2-A100B	Total/NA	Solid	5035	
180-134842-14	SSHS-IRM5A2-A2-DUP16B	Total/NA	Solid	5035	
180-134842-8 MS	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	5035	
180-134842-8 MSD	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	5035	

Analysis Batch: 391757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-4	SSHS-IRM5A2-A2-A98A	Total/NA	Solid	EPA 8260C	391777
180-134842-5	SSHS-IRM5A2-A2-A98B	Total/NA	Solid	EPA 8260C	391777
180-134842-7	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	EPA 8260C	391777
180-134842-13	SSHS-IRM5A2-A2-DUP16A	Total/NA	Solid	EPA 8260C	391777
MB 180-391757/5	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-391757/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-134842-7 MS	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	EPA 8260C	391777
180-134842-7 MSD	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	EPA 8260C	391777

Prep Batch: 391777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-4	SSHS-IRM5A2-A2-A98A	Total/NA	Solid	5035	
180-134842-5	SSHS-IRM5A2-A2-A98B	Total/NA	Solid	5035	
180-134842-7	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	5035	
180-134842-13	SSHS-IRM5A2-A2-DUP16A	Total/NA	Solid	5035	
180-134842-7 MS	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	5035	
180-134842-7 MSD	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 391074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	3541	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	3541	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3541	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	3541	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 391074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-391074/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-391074/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3541	
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3541	

Analysis Batch: 391259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	EPA 8270D LL	391074
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	EPA 8270D LL	391074
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 8270D LL	391074
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	EPA 8270D LL	391074
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 8270D LL	391074
MB 180-391074/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	391074
LCS 180-391074/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	391074
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 8270D LL	391074
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 8270D LL	391074

GC Semi VOA

Prep Batch: 391073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	3541	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	3541	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3541	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	3541	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	3541	
MB 180-391073/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-391073/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3541	
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3541	

Analysis Batch: 391193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	EPA 8082A	391273
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	EPA 8082A	391273
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 8082A	391273
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	EPA 8082A	391273
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 8082A	391273
MB 180-391073/1-A	Method Blank	Total/NA	Solid	EPA 8082A	391073
LCS 180-391073/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	391073
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 8082A	391273
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 8082A	391273

Cleanup Batch: 391272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	3665A	391073
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	3665A	391073
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3665A	391073
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	3665A	391073
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	3665A	391073
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3665A	391073

GC Semi VOA (Continued)

Cleanup Batch: 391272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3665A	391073

Cleanup Batch: 391273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	3660B	391272
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	3660B	391272
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3660B	391272
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	3660B	391272
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	3660B	391272
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3660B	391272
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3660B	391272

Metals

Prep Batch: 391326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	3050B	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	3050B	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3050B	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	3050B	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	3050B	
MB 180-391326/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-391326/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3050B	
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3050B	

Prep Batch: 391335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	7471B	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	7471B	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	7471B	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	7471B	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	7471B	
MB 180-391335/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-391335/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	7471B	
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	7471B	

Analysis Batch: 391518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	EPA 6010C	391326
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	EPA 6010C	391326
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 6010C	391326
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	EPA 6010C	391326
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 6010C	391326
MB 180-391326/1-A	Method Blank	Total/NA	Solid	EPA 6010C	391326
LCS 180-391326/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	391326
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 6010C	391326
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 6010C	391326

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-1

Metals

Analysis Batch: 391545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	EPA 7471B	391335
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	EPA 7471B	391335
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7471B	391335
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	EPA 7471B	391335
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 7471B	391335
MB 180-391335/1-A	Method Blank	Total/NA	Solid	EPA 7471B	391335
LCS 180-391335/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	391335
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7471B	391335
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7471B	391335

General Chemistry

Analysis Batch: 391025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	2540G	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	2540G	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	2540G	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	2540G	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	2540G	

Prep Batch: 391042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	3060A	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	3060A	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3060A	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	3060A	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	3060A	
MB 180-391042/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-391042/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-391042/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-134842-9 MSI	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3060A	
180-134842-9 MSS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3060A	
180-134842-9 DU	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	3060A	

Analysis Batch: 391093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-1	SSHS-IRM5A2-A2-A97A	Total/NA	Solid	2540G	
180-134842-2	SSHS-IRM5A2-A2-A97B	Total/NA	Solid	2540G	
180-134842-4	SSHS-IRM5A2-A2-A98A	Total/NA	Solid	2540G	
180-134842-5	SSHS-IRM5A2-A2-A98B	Total/NA	Solid	2540G	
180-134842-7	SSHS-IRM5A2-A2-A99A	Total/NA	Solid	2540G	
180-134842-8	SSHS-IRM5A2-A2-A99B	Total/NA	Solid	2540G	
180-134842-10	SSHS-IRM5A2-A2-A100A	Total/NA	Solid	2540G	
180-134842-11	SSHS-IRM5A2-A2-A100B	Total/NA	Solid	2540G	
180-134842-13	SSHS-IRM5A2-A2-DUP16A	Total/NA	Solid	2540G	
180-134842-14	SSHS-IRM5A2-A2-DUP16B	Total/NA	Solid	2540G	
180-134842-14 DU	SSHS-IRM5A2-A2-DUP16B	Total/NA	Solid	2540G	

Prep Batch: 391569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 391569 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	9010C	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	9010C	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	9010C	
MB 180-391569/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-391569/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-391569/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-391569/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	9010C	
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	9010C	

Analysis Batch: 391612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	EPA 9014	391569
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	EPA 9014	391569
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 9014	391569
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	EPA 9014	391569
MB 180-391569/4-A	Method Blank	Total/NA	Solid	EPA 9014	391569
LCS 180-391569/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	391569
LLCS 180-391569/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	391569
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 9014	391569
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 9014	391569

Analysis Batch: 391633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 180-391569/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	391569

Prep Batch: 391662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	9010C	
MB 180-391662/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-391662/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-391662/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-391662/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-134842-15 MS	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	9010C	
180-134842-15 MSD	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	9010C	

Analysis Batch: 391720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	EPA 7196A	391042
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	EPA 7196A	391042
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7196A	391042
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	EPA 7196A	391042
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 7196A	391042
MB 180-391042/1-A	Method Blank	Total/NA	Solid	EPA 7196A	391042
LCSI 180-391042/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	391042
LCSS 180-391042/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	391042
180-134842-9 MSI	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7196A	391042
180-134842-9 MSS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7196A	391042
180-134842-9 DU	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	EPA 7196A	391042

QC Association Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-134842-1
Project/Site: Former Sperry Remington-Reuse

General Chemistry

Analysis Batch: 391722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 9014	391662
MB 180-391662/4-A	Method Blank	Total/NA	Solid	EPA 9014	391662
HLCS 180-391662/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	391662
LCS 180-391662/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	391662
LLCS 180-391662/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	391662
180-134842-15 MS	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 9014	391662
180-134842-15 MSD	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	EPA 9014	391662

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A97A	3/8/22	1445	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A97B	3/8/22	1450	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A97C	3/8/22	1440	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A98A	3/8/22	1505	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A98B	3/8/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A98C	3/8/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A99A	3/8/22	1400	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A99B	3/8/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A99C	3/8/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A100A	3/8/22	1520	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A100B	3/8/22	1530	G	S	N	N	X													4	

also received ms/msd for A99A, A99B, and A99C
D. Dunlap 3/9/22

180-134842 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/8/22/1830			3/9/22 1050	EEA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A100C	3/8/22	1525	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-DUP16A	3/8/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP16B	3/8/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP16C	3/8/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/8/22/1830			5/9/22 1030	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): 5 day	
State, Zip: MD, 21044		
Phone: 410-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464	
Site:	SSOW#:	

180-134842 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A97A	3/8/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A97B	3/8/22	1450	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A97C	3/8/22	1440	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A98A	3/8/22	1505	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A98B	3/8/22	1510	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A98C	3/8/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A99A	3/8/22	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A99B	3/8/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A99C	3/8/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A100A	3/8/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A100B	3/8/22	1530	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/8/22 1830			3-10-22 940	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.9

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A100C	3/8/22	1525	C	S	N	N		X	X	X	X	X	X	X	5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-DUP16A	3/8/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP16B	3/8/22		G	S	N	N	X								4	
SSHS-IRM5A2-A2-DUP16C	3/8/22		C	S	N	N		X	X	X	X	X	X	X	5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3/8/22/1830		[signature]	3-10-22 940	EEtSc
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.9

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes


180-134842 Field Sheet

Job:___

Tracking # : 7762 0744 2424

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 106 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: -

-

Cooler ID: _____

Temp Observed: 0.9 °C Corrected: 0.9 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 3-10-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-10-22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 3-10-22



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 08MAR22
ACTWGT: 50.00 LB
CAD: 252144956/INET4460
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832I
INV: 01
PO: 28 DEPT: 1751

560J3908BFE4A

FedEx Express

FedEx Ship Manager - Print Your Label(s)

WED - 09 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7762 0744 2424

XW BLUA

95605
CA-US SMF

FZ

RT362 1 10:30 F 2424 03.10

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134842-1

Login Number: 134842
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-134842-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
3/16/2022 12:45:25 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Job ID: 180-134842-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134842-2

Comments
Notation was made to the coc regarding the receipt of ms/msd volumes for samples SSHS-IRM5A2-A2-A99A, B, and C.

Receipt
The samples were received on 3/9 and 10/2022 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.9º C, 3.8º C, 3.9º C and 4.4º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-134842-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-134842-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22 *
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	01-23-23
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134842-3	SSHS-IRM5A2-A2-A97C	Solid	03/08/22 14:40	03/09/22 10:30
180-134842-6	SSHS-IRM5A2-A2-A98C	Solid	03/08/22 15:00	03/09/22 10:30
180-134842-9	SSHS-IRM5A2-A2-A99C	Solid	03/08/22 15:30	03/09/22 10:30
180-134842-12	SSHS-IRM5A2-A2-A100C	Solid	03/08/22 15:25	03/09/22 10:30
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Solid	03/08/22 00:00	03/09/22 10:30

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Client Sample ID: SSHS-IRM5A2-A2-A97C
Lab Sample ID: 180-134842-3
Date Collected: 03/08/22 14:40
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.39 g	10.0 mL	572398	03/12/22 13:58	EH	TAL SAC
Total/NA	Analysis	537 (modified)		1			572835	03/14/22 22:45	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A2-A98C
Lab Sample ID: 180-134842-6
Date Collected: 03/08/22 15:00
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.40 g	10.0 mL	572398	03/12/22 13:58	EH	TAL SAC
Total/NA	Analysis	537 (modified)		1			572835	03/14/22 22:55	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A2-A99C
Lab Sample ID: 180-134842-9
Date Collected: 03/08/22 15:30
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.43 g	10.0 mL	572398	03/12/22 13:58	EH	TAL SAC
Total/NA	Analysis	537 (modified)		1			572835	03/14/22 23:05	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A2-A100C
Lab Sample ID: 180-134842-12
Date Collected: 03/08/22 15:25
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.41 g	10.0 mL	572398	03/12/22 13:58	EH	TAL SAC
Total/NA	Analysis	537 (modified)		1			572835	03/14/22 23:37	RS1	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A2-DUP16C
Lab Sample ID: 180-134842-15
Date Collected: 03/08/22 00:00
Matrix: Solid
Date Received: 03/09/22 10:30
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	572398	03/12/22 13:58	EH	TAL SAC
Total/NA	Analysis	537 (modified)		1			572835	03/14/22 23:47	RS1	TAL SAC
	Instrument ID: A13									

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Analyst References:

Lab: TAL SAC

Batch Type: Prep

EH = Evan Henley

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Client Sample ID: SSHS-IRM5A2-A2-A97C
Date Collected: 03/08/22 14:40
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-3
Matrix: Solid
Percent Solids: 95.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.045	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.047	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.048	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.047	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	03/12/22 13:58	03/14/22 22:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C5 PFPeA	*98*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C2 PFHxA	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C4 PFHpA	*86*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C4 PFOA	*92*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C5 PFNA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C2 PFDA	*86*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C2 PFUnA	*92*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C2 PFDoA	*82*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C3 PFBS	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
18O2 PFHxS	*84*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C4 PFOS	*89*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
13C8 FOSA	*89*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:45*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Client Sample ID: SSHS-IRM5A2-A2-A98C
Date Collected: 03/08/22 15:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-6
Matrix: Solid
Percent Solids: 90.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.064**	**J**	0.21	0.044	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/12/22 13:58	03/14/22 22:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C5 PFPeA	*104*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C2 PFHxA	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C4 PFHpA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C4 PFOA	*90*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C5 PFNA	*95*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C2 PFDA	*86*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C2 PFUnA	*84*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C2 PFDoA	*79*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C3 PFBS	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
18O2 PFHxS	*84*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C4 PFOS	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
13C8 FOSA	*82*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*
M2-8:2 FTS	*111*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:55*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Client Sample ID: SSHS-IRM5A2-A2-A99C
Date Collected: 03/08/22 15:30
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-9
Matrix: Solid
Percent Solids: 95.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.045**	**J**	0.19	0.045	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**		0.19	0.042	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	03/12/22 13:58	03/14/22 23:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C5 PFPeA	*102*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C2 PFHxA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C4 PFHpA	*90*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C4 PFOA	*94*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C5 PFNA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C2 PFDA	*89*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C2 PFUnA	*89*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C2 PFDoA	*79*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C3 PFBS	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
18O2 PFHxS	*91*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C4 PFOS	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
13C8 FOSA	*92*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:05*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Client Sample ID: SSHS-IRM5A2-A2-A100C
Date Collected: 03/08/22 15:25
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-12
Matrix: Solid
Percent Solids: 94.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J**	0.20	0.042	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	03/12/22 13:58	03/14/22 23:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C5 PFPeA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C2 PFHxA	*91*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C4 PFHpA	*82*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C4 PFOA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C5 PFNA	*96*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C2 PFDA	*90*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C2 PFUnA	*83*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C2 PFDoA	*79*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C2 PFTeDA	*70*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C3 PFBS	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
18O2 PFHxS	*84*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C4 PFOS	*95*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
13C8 FOSA	*82*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*
M2-8:2 FTS	*139*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:37*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-134842-2

Client Sample ID: SSHS-IRM5A2-A2-DUP16C
Date Collected: 03/08/22 00:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134842-15
Matrix: Solid
Percent Solids: 94.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	03/12/22 13:58	03/14/22 23:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C5 PFPeA	*95*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C2 PFHxA	*86*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C4 PFHpA	*83*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C4 PFOA	*89*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C5 PFNA	*86*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C2 PFDA	*91*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C2 PFUnA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C2 PFDoA	*78*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C3 PFBS	*75*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
18O2 PFHxS	*78*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C4 PFOS	*77*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
13C8 FOSA	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*03/12/22 13:58*	*03/14/22 23:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-572398/1-A
Matrix: Solid
Analysis Batch: 572835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 572398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
Perfluorooctanesulfonamide (FOSA)	0.0430	J	0.20	0.033	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
6:2 FTS	ND		0.20	0.027	ug/Kg		03/12/22 13:58	03/14/22 22:24	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/12/22 13:58	03/14/22 22:24	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C5 PFPeA	*103*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C2 PFHxA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C4 PFHpA	*84*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C4 PFOA	*98*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C5 PFNA	*92*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C2 PFDA	*90*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C2 PFUnA	*90*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C2 PFDoA	*85*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C3 PFBS	*98*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
18O2 PFHxS	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C4 PFOS	*94*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
13C8 FOSA	*91*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
M2-6:2 FTS	*115*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*03/12/22 13:58*	*03/14/22 22:24*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-572398/2-A
Matrix: Solid
Analysis Batch: 572835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 572398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.06		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.78		ug/Kg		89	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.90		ug/Kg		95	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.87		ug/Kg		94	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.88		ug/Kg		94	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.98		ug/Kg		99	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.07		ug/Kg		103	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.96		ug/Kg		98	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.34		ug/Kg		117	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.04		ug/Kg		102	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.69		ug/Kg		96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.87		ug/Kg		103	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.01		ug/Kg		106	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83		ug/Kg		98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.57		ug/Kg		81	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.05		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.02		ug/Kg		101	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.96		ug/Kg		98	72 - 132
6:2 FTS	1.90	1.80		ug/Kg		95	73 - 139
8:2 FTS	1.92	1.77		ug/Kg		92	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*94*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*86*		*25 - 150*
13C4 PFHpA	*89*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*87*		*25 - 150*
13C2 PFDA	*82*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*78*		*25 - 150*
13C2 PFTeDA	*87*		*25 - 150*
13C3 PFBS	*92*		*25 - 150*
18O2 PFHxS	*92*		*25 - 150*
13C4 PFOS	*92*		*25 - 150*
13C8 FOSA	*88*		*25 - 150*
d3-NMeFOSAA	*78*		*25 - 150*
d5-NEtFOSAA	*88*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-572398/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 572835 **Prep Batch: 572398**

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*94*		*25 - 150*
M2-8:2 FTS	*99*		*25 - 150*

Lab Sample ID: 180-134842-9 MS **Client Sample ID: SSHS-IRM5A2-A2-A99C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 572835 **Prep Batch: 572398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.045	J	1.93	1.97		ug/Kg	☼	100	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		1.93	1.80		ug/Kg	☼	93	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		1.93	1.92		ug/Kg	☼	100	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		1.93	1.84		ug/Kg	☼	95	71 - 131
Perfluorooctanoic acid (PFOA)	ND		1.93	1.81		ug/Kg	☼	94	72 - 132
Perfluorononanoic acid (PFNA)	ND		1.93	1.78		ug/Kg	☼	92	73 - 133
Perfluorodecanoic acid (PFDA)	ND		1.93	1.97		ug/Kg	☼	102	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		1.93	2.01		ug/Kg	☼	104	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		1.93	1.90		ug/Kg	☼	98	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		1.93	1.95		ug/Kg	☼	101	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		1.93	1.91		ug/Kg	☼	99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.71	1.58		ug/Kg	☼	93	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.76	1.68		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.84	1.76		ug/Kg	☼	96	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.22		1.79	2.19		ug/Kg	☼	110	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.86	1.51		ug/Kg	☼	81	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		1.93	1.97		ug/Kg	☼	102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.93	1.63		ug/Kg	☼	84	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.93	1.89		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		1.83	1.63		ug/Kg	☼	89	73 - 139
8:2 FTS	ND		1.85	1.72		ug/Kg	☼	93	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*99*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*86*		*25 - 150*
13C4 PFOA	*93*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134842-9 MS **Client Sample ID: SSHS-IRM5A2-A2-A99C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 572835 **Prep Batch: 572398**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	96		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	91		25 - 150
d3-NMeFOSAA	96		25 - 150
d5-NEtFOSAA	100		25 - 150
M2-6:2 FTS	115		25 - 150
M2-8:2 FTS	119		25 - 150

Lab Sample ID: 180-134842-9 MSD **Client Sample ID: SSHS-IRM5A2-A2-A99C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 572835 **Prep Batch: 572398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.045	J	1.97	2.19		ug/Kg	☼	109	76 - 136	11	30
Perfluoropentanoic acid (PFPeA)	ND		1.97	1.84		ug/Kg	☼	93	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)	ND		1.97	1.83		ug/Kg	☼	93	71 - 131	5	30
Perfluoroheptanoic acid (PFHpA)	ND		1.97	1.96		ug/Kg	☼	99	71 - 131	6	30
Perfluorooctanoic acid (PFOA)	ND		1.97	1.96		ug/Kg	☼	99	72 - 132	8	30
Perfluorononanoic acid (PFNA)	ND		1.97	1.79		ug/Kg	☼	91	73 - 133	1	30
Perfluorodecanoic acid (PFDA)	ND		1.97	1.90		ug/Kg	☼	97	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)	ND		1.97	2.07		ug/Kg	☼	105	66 - 126	3	30
Perfluorododecanoic acid (PFDoA)	ND		1.97	1.89		ug/Kg	☼	96	71 - 131	0	30
Perfluorotridecanoic acid (PFTriA)	ND		1.97	1.92		ug/Kg	☼	97	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)	ND		1.97	1.96		ug/Kg	☼	100	67 - 127	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.74	1.61		ug/Kg	☼	92	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.79	1.75		ug/Kg	☼	98	62 - 122	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.87	1.85		ug/Kg	☼	99	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	0.22		1.83	1.89		ug/Kg	☼	91	68 - 141	15	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.90	1.65		ug/Kg	☼	87	71 - 131	9	30
Perfluorooctanesulfonamide (FOSA)	ND		1.97	2.05		ug/Kg	☼	104	77 - 137	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.97	1.82		ug/Kg	☼	93	72 - 132	11	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.97	1.92		ug/Kg	☼	97	72 - 132	2	30
6:2 FTS	ND		1.87	1.59		ug/Kg	☼	85	73 - 139	3	30
8:2 FTS	ND		1.89	1.83		ug/Kg	☼	97	75 - 135	7	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	93		25 - 150
13C5 PFPeA	104		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-134842-9 MSD
Matrix: Solid
Analysis Batch: 572835

Client Sample ID: SSHS-IRM5A2-A2-A99C
Prep Type: Total/NA
Prep Batch: 572398

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	88		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	92		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	85		25 - 150
13C2 PFDoA	86		25 - 150
13C2 PFTeDA	87		25 - 150
13C3 PFBS	100		25 - 150
18O2 PFHxS	100		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	97		25 - 150
d3-NMeFOSAA	93		25 - 150
d5-NEtFOSAA	99		25 - 150
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	112		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-134842-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 572398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	SHAKE	
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	SHAKE	
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	SHAKE	
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	SHAKE	
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	SHAKE	
MB 320-572398/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-572398/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	SHAKE	
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	SHAKE	

Analysis Batch: 572835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134842-3	SSHS-IRM5A2-A2-A97C	Total/NA	Solid	537 (modified)	572398
180-134842-6	SSHS-IRM5A2-A2-A98C	Total/NA	Solid	537 (modified)	572398
180-134842-9	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	537 (modified)	572398
180-134842-12	SSHS-IRM5A2-A2-A100C	Total/NA	Solid	537 (modified)	572398
180-134842-15	SSHS-IRM5A2-A2-DUP16C	Total/NA	Solid	537 (modified)	572398
MB 320-572398/1-A	Method Blank	Total/NA	Solid	537 (modified)	572398
LCS 320-572398/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	572398
180-134842-9 MS	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	537 (modified)	572398
180-134842-9 MSD	SSHS-IRM5A2-A2-A99C	Total/NA	Solid	537 (modified)	572398

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A97A	3/8/22	1445	G	S	N	N	X													4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-A97B	3/8/22	1450	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A97C	3/8/22	1440	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A98A	3/8/22	1505	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A98B	3/8/22	1510	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A98C	3/8/22	1500	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A99A	3/8/22	1400	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A99B	3/8/22	1430	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A99C	3/8/22	1530	C	S	N	N		X	X	X	X	X	X	X						5	
SSHS-IRM5A2-A2-A100A	3/8/22	1520	G	S	N	N	X													4	
SSHS-IRM5A2-A2-A100B	3/8/22	1530	G	S	N	N	X													4	

also received ms/msd for A99A, A99B, and A99C
D. Dunlap 3/9/22

180-134842 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/8/22/1830	Company	Received by:	Date/Time: 3/9/22 1050	Company EEA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	637.1 (mod.) - PFAS	637.1 (mod.) - SPLP-E, PFAS						Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N							
SSHS-IRM5A2-A2-A100C	3/8/22	1525	C	S	N	N		X	X	X	X	X	X	X						5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-DUP16A	3/8/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP16B	3/8/22		G	S	N	N	X													4	
SSHS-IRM5A2-A2-DUP16C	3/8/22		C	S	N	N		X	X	X	X	X	X	X						5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/8/22/1830			5/9/22 1030	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): 5 day	
State, Zip: MD, 21044		
Phone: 410-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site- Re-Use	Project #: 18013464	
Site:	SSOW#:	

180-134842 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A2-A97A	3/8/22	1445	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento
SSHS-IRM5A2-A2-A97B	3/8/22	1450	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A97C	3/8/22	1440	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A98A	3/8/22	1505	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A98B	3/8/22	1510	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A98C	3/8/22	1500	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A99A	3/8/22	1400	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A99B	3/8/22	1430	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A99C	3/8/22	1530	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A2-A100A	3/8/22	1520	G	S	N	N	X								4	
SSHS-IRM5A2-A2-A100B	3/8/22	1530	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/8/22 1830			3-10-22 940	EEE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.9

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1
Company: Geosyntec Consultants, Inc.				Page: Page 2 of 2
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 410-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site- Re-Use	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N								
SSHS-IRM5A2-A2-A100C	3/8/22	1525	C	S	N	N		X	X	X	X	X	X	X							5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A2-DUP16A	3/8/22		G	S	N	N	X														4	
SSHS-IRM5A2-A2-DUP16B	3/8/22		G	S	N	N	X														4	
SSHS-IRM5A2-A2-DUP16C	3/8/22		C	S	N	N		X	X	X	X	X	X	X							5	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3/8/22/1830		[signature]	3-10-22 940	EEtSc
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.9

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes


180-134842 Field Sheet

Job:___

Tracking # : 7762 0744 2424

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 106 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: -

Cooler ID: _____

Temp Observed: 0.9 °C Corrected: 0.9 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 3-10-22

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-10-22

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 3-10-22



ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 08MAR22
ACTWGT: 50.00 LB
CAD: 252144956/INET4460
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832I
INV: 01
PO: 28 DEPT: 1751

560J3908BFE4A

FedEx Express

FedEx Ship Manager - Print Your Label(s)

WED - 09 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7762 0744 2424

XW BLUA

95605
CA-US SMF

FZ

RT362 1 10:30 F 2424 03.10

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134842-2

Login Number: 134842
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-134842-2

Login Number: 134842
List Number: 2
Creator: Pratali, Sandra A

List Source: Eurofins Sacramento
List Creation: 03/10/22 09:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	0.9c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-129207-2
Client Project/Site: Former Sperry Remington-Reuse

For:
Geosyntec Consultants, Inc.
10211 Wincopin Circle
4'th Floor
Columbia, Maryland 21044

Attn: Mr. Aron Krasnopoler

Authorized for release by:
11/5/2021 2:29:08 PM

David Dunlap, Senior Project Manager
(412)963-2432
David.Dunlap@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Job ID: 180-129207-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-129207-2

Receipt
The samples were received on 10/29/21 at the Eurofins TestAmerica Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3º C, 4.6º C, 5.2º C and 6.0º C.

LCMS
Method 537 (modified): Results for samples SSHS-IRM5A2-A1-A37C (180-129207-6), SSHS-IRM5A2-A1-A38C (180-129207-9) and SSHS-IRM5A2-A1-DUP4C (180-129207-18) were reported from the analysis of a diluted extract due to matrix interferences in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-129207-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-129207-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-22
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-129207-3	SSHS-IRM5A2-A1-A36C	Solid	10/28/21 10:45	10/29/21 10:00
180-129207-6	SSHS-IRM5A2-A1-A37C	Solid	10/28/21 11:00	10/29/21 10:00
180-129207-9	SSHS-IRM5A2-A1-A38C	Solid	10/28/21 11:15	10/29/21 10:00
180-129207-12	SSHS-IRM5A2-A1-A39C	Solid	10/28/21 12:50	10/29/21 10:00
180-129207-15	SSHS-IRM5A2-A1-A40C	Solid	10/28/21 13:30	10/29/21 10:00
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Solid	10/28/21 00:00	10/29/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-A36C
Lab Sample ID: 180-129207-3
Date Collected: 10/28/21 10:45
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.52 g	10.0 mL	538610	10/31/21 12:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			539693	11/03/21 21:33	D1R	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A37C
Lab Sample ID: 180-129207-6
Date Collected: 10/28/21 11:00
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	538610	10/31/21 12:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		5			539693	11/03/21 22:25	D1R	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A38C
Lab Sample ID: 180-129207-9
Date Collected: 10/28/21 11:15
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.32 g	10.0 mL	538610	10/31/21 12:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		10			539693	11/03/21 22:46	D1R	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A39C
Lab Sample ID: 180-129207-12
Date Collected: 10/28/21 12:50
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	538610	10/31/21 12:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			539693	11/03/21 21:43	D1R	TAL SAC
	Instrument ID: A13									

Client Sample ID: SSHS-IRM5A2-A1-A40C
Lab Sample ID: 180-129207-15
Date Collected: 10/28/21 13:30
Matrix: Solid
Date Received: 10/29/21 10:00
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.58 g	10.0 mL	538610	10/31/21 12:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1			539693	11/03/21 21:54	D1R	TAL SAC
	Instrument ID: A13									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-DUP4C

Date Collected: 10/28/21 00:00
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-18

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.40 g	10.0 mL	538610	10/31/21 12:39	AM	TAL SAC
Total/NA	Analysis	537 (modified)		5			539693	11/03/21 22:35	D1R	TAL SAC
	Instrument ID: A13									

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: TAL SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

D1R = Dhatpakorn Ruangyotsakul

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-A36C
Date Collected: 10/28/21 10:45
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-3
Matrix: Solid
Percent Solids: 86.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.15**	**J**	0.21	0.048	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorooctanoic acid (PFOA)	**0.10**	**J**	0.21	0.055	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/31/21 12:39	11/03/21 21:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C5 PFPeA	*75*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C2 PFHxA	*68*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C4 PFHpA	*69*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C4 PFOA	*81*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C5 PFNA	*63*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C2 PFDA	*67*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C2 PFUnA	*66*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C2 PFDoA	*64*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C3 PFBS	*79*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
18O2 PFHxS	*78*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C4 PFOS	*71*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
13C8 FOSA	*68*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
d3-NMeFOSAA	*50*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
d5-NEtFOSAA	*55*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
M2-6:2 FTS	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:33*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-A37C
Date Collected: 10/28/21 11:00
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-6
Matrix: Solid
Percent Solids: 84.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.1	0.26	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluoropentanoic acid (PFPeA)	ND		1.1	0.23	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorohexanoic acid (PFHxA)	ND		1.1	0.18	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluoroheptanoic acid (PFHpA)	ND		1.1	0.22	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorooctanoic acid (PFOA)	ND		1.1	0.30	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorononanoic acid (PFNA)	ND		1.1	0.12	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorodecanoic acid (PFDA)	ND		1.1	0.27	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluoroundecanoic acid (PFUnA)	ND		1.1	0.24	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorododecanoic acid (PFDoA)	ND		1.1	0.17	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorotridecanoic acid (PFTriA)	ND		1.1	0.12	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorotetradecanoic acid (PFTeA)	ND		1.1	0.21	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorobutanesulfonic acid (PFBS)	ND		1.1	0.22	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorohexanesulfonic acid (PFHxS)	ND		1.1	0.16	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.1	0.28	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorooctanesulfonic acid (PFOS)	ND		1.1	0.24	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorodecanesulfonic acid (PFDS)	ND		1.1	0.29	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
Perfluorooctanesulfonamide (FOSA)	ND		1.1	0.19	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.1	0.13	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.1	0.27	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
6:2 FTS	ND		1.1	0.15	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5
8:2 FTS	ND		1.1	0.20	ug/Kg	☼	10/31/21 12:39	11/03/21 22:25	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C5 PFPeA	*51*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C2 PFHxA	*61*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C4 PFHpA	*69*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C4 PFOA	*82*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C5 PFNA	*63*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C2 PFDA	*72*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C2 PFUnA	*72*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C2 PFDoA	*71*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C2 PFTeDA	*83*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C3 PFBS	*63*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
18O2 PFHxS	*74*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C4 PFOS	*70*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
13C8 FOSA	*68*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
d3-NMeFOSAA	*64*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
d5-NEtFOSAA	*60*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
M2-6:2 FTS	*67*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*
M2-8:2 FTS	*86*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:25*	*5*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-A38C
Date Collected: 10/28/21 11:15
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-9
Matrix: Solid
Percent Solids: 85.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.2	0.51	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluoropentanoic acid (PFPeA)	ND		2.2	0.45	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorohexanoic acid (PFHxA)	ND		2.2	0.34	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluoroheptanoic acid (PFHpA)	ND		2.2	0.42	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorooctanoic acid (PFOA)	ND		2.2	0.58	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorononanoic acid (PFNA)	ND		2.2	0.24	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorodecanoic acid (PFDA)	ND		2.2	0.53	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluoroundecanoic acid (PFUnA)	ND		2.2	0.46	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorododecanoic acid (PFDoA)	ND		2.2	0.33	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorotridecanoic acid (PFTriA)	ND		2.2	0.23	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorotetradecanoic acid (PFTeA)	ND		2.2	0.41	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorobutanesulfonic acid (PFBS)	ND		2.2	0.42	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorohexanesulfonic acid (PFHxS)	ND		2.2	0.32	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.2	0.54	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorooctanesulfonic acid (PFOS)	ND		2.2	0.47	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorodecanesulfonic acid (PFDS)	ND		2.2	0.57	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
Perfluorooctanesulfonamide (FOSA)	ND		2.2	0.36	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.2	0.25	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.2	0.53	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
6:2 FTS	ND		2.2	0.30	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10
8:2 FTS	ND		2.2	0.39	ug/Kg	☼	10/31/21 12:39	11/03/21 22:46	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C5 PFPeA	*60*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C2 PFHxA	*65*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C4 PFHpA	*71*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C4 PFOA	*72*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C5 PFNA	*62*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C2 PFDA	*76*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C2 PFUnA	*78*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C2 PFDoA	*84*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C2 PFTeDA	*84*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C3 PFBS	*69*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
18O2 PFHxS	*83*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C4 PFOS	*72*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
13C8 FOSA	*70*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
d3-NMeFOSAA	*71*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
d5-NEtFOSAA	*78*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
M2-6:2 FTS	*57*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*
M2-8:2 FTS	*67*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:46*	*10*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-A39C
Date Collected: 10/28/21 12:50
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-12
Matrix: Solid
Percent Solids: 84.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.059**	**J**	0.23	0.053	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.061	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.050	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	10/31/21 12:39	11/03/21 21:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C5 PFPeA	*61*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C2 PFHxA	*72*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C4 PFHpA	*64*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C4 PFOA	*79*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C5 PFNA	*59*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C2 PFDA	*66*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C2 PFUnA	*67*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C2 PFDoA	*71*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
18O2 PFHxS	*78*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C4 PFOS	*73*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
13C8 FOSA	*68*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
d3-NMeFOSAA	*57*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
d5-NEtFOSAA	*66*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:43*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-A40C
Date Collected: 10/28/21 13:30
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-15
Matrix: Solid
Percent Solids: 87.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.089**	**J**	0.21	0.047	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	10/31/21 12:39	11/03/21 21:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C5 PFPeA	*63*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C2 PFHxA	*65*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C4 PFHpA	*66*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C4 PFOA	*76*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C5 PFNA	*58*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C2 PFDA	*74*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C2 PFUnA	*68*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C2 PFDoA	*63*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
18O2 PFHxS	*75*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C4 PFOS	*65*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
13C8 FOSA	*70*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
d3-NMeFOSAA	*56*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
d5-NEtFOSAA	*67*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*10/31/21 12:39*	*11/03/21 21:54*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

Client Sample ID: SSHS-IRM5A2-A1-DUP4C
Date Collected: 10/28/21 00:00
Date Received: 10/29/21 10:00

Lab Sample ID: 180-129207-18
Matrix: Solid
Percent Solids: 85.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.1	0.25	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluoropentanoic acid (PFPeA)	ND		1.1	0.22	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorohexanoic acid (PFHxA)	ND		1.1	0.17	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluoroheptanoic acid (PFHpA)	ND		1.1	0.21	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorooctanoic acid (PFOA)	ND		1.1	0.29	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorononanoic acid (PFNA)	ND		1.1	0.12	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorodecanoic acid (PFDA)	ND		1.1	0.26	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluoroundecanoic acid (PFUnA)	ND		1.1	0.23	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorododecanoic acid (PFDoA)	ND		1.1	0.16	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorotridecanoic acid (PFTriA)	ND		1.1	0.11	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorotetradecanoic acid (PFTeA)	ND		1.1	0.20	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorobutanesulfonic acid (PFBS)	ND		1.1	0.21	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorohexanesulfonic acid (PFHxS)	ND		1.1	0.16	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.1	0.27	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorooctanesulfonic acid (PFOS)	ND		1.1	0.23	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorodecanesulfonic acid (PFDS)	ND		1.1	0.28	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
Perfluorooctanesulfonamide (FOSA)	ND		1.1	0.18	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.1	0.12	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.1	0.26	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
6:2 FTS	ND		1.1	0.15	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5
8:2 FTS	ND		1.1	0.19	ug/Kg	☼	10/31/21 12:39	11/03/21 22:35	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C5 PFPeA	*59*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C2 PFHxA	*63*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C4 PFHpA	*66*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C4 PFOA	*79*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C5 PFNA	*66*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C2 PFDA	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C2 PFUnA	*69*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C2 PFDoA	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C2 PFTeDA	*82*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C3 PFBS	*64*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
18O2 PFHxS	*73*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C4 PFOS	*77*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
13C8 FOSA	*64*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
d3-NMeFOSAA	*59*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
d5-NEtFOSAA	*69*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
M2-6:2 FTS	*59*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*
M2-8:2 FTS	*73*		*25 - 150*	*10/31/21 12:39*	*11/03/21 22:35*	*5*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-538610/1-A
Matrix: Solid
Analysis Batch: 538852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/31/21 12:39	11/01/21 17:32	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/31/21 12:39	11/01/21 17:32	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C5 PFPeA	*96*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C2 PFHxA	*96*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C4 PFHpA	*101*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C4 PFOA	*115*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C5 PFNA	*98*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C2 PFDA	*108*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C2 PFUnA	*97*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C2 PFDoA	*118*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C2 PFTeDA	*120*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C3 PFBS	*110*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
18O2 PFHxS	*127*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C4 PFOS	*118*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
13C8 FOSA	*111*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*10/31/21 12:39*	*11/01/21 17:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-538610/2-A
Matrix: Solid
Analysis Batch: 538852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.93		ug/Kg		96	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.92		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.97		ug/Kg		98	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.03		ug/Kg		101	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.94		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.03		ug/Kg		102	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.16		ug/Kg		108	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.96		ug/Kg		98	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.05		ug/Kg		103	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.29		ug/Kg		115	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.02		ug/Kg		101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.82		ug/Kg		103	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.75		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.09		ug/Kg		110	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.89		ug/Kg		102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.12		ug/Kg		110	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.99		ug/Kg		100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.91		ug/Kg		95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.81		ug/Kg		91	72 - 132
6:2 FTS	1.90	1.87		ug/Kg		99	73 - 139
8:2 FTS	1.92	1.77		ug/Kg		93	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*104*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*103*		*25 - 150*
13C4 PFHpA	*107*		*25 - 150*
13C4 PFOA	*118*		*25 - 150*
13C5 PFNA	*106*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*109*		*25 - 150*
13C2 PFDoA	*114*		*25 - 150*
13C2 PFTeDA	*121*		*25 - 150*
13C3 PFBS	*111*		*25 - 150*
18O2 PFHxS	*133*		*25 - 150*
13C4 PFOS	*114*		*25 - 150*
13C8 FOSA	*113*		*25 - 150*
d3-NMeFOSAA	*95*		*25 - 150*
d5-NEtFOSAA	*108*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-538610/2-A
Matrix: Solid
Analysis Batch: 538852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538610

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*91*		*25 - 150*
M2-8:2 FTS	*95*		*25 - 150*

Lab Sample ID: 180-129207-15 MS
Matrix: Solid
Analysis Batch: 539693

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 538610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.089	J	2.21	2.24		ug/Kg	☼	97	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.21	2.09		ug/Kg	☼	95	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.21	2.13		ug/Kg	☼	97	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.21	2.17		ug/Kg	☼	98	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.21	2.12		ug/Kg	☼	96	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.21	2.26		ug/Kg	☼	102	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.21	2.24		ug/Kg	☼	102	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.21	2.09		ug/Kg	☼	95	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.21	2.25		ug/Kg	☼	102	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.21	2.84		ug/Kg	☼	128	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.21	2.16		ug/Kg	☼	98	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.95	1.87		ug/Kg	☼	96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.01	1.92		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.10	1.95		ug/Kg	☼	93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.05	2.01		ug/Kg	☼	98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.13	1.83		ug/Kg	☼	86	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.21	2.09		ug/Kg	☼	95	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.21	2.32		ug/Kg	☼	105	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.21	2.29		ug/Kg	☼	104	72 - 132
6:2 FTS	ND		2.09	2.17		ug/Kg	☼	103	73 - 139
8:2 FTS	ND		2.12	2.17		ug/Kg	☼	102	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*76*		*25 - 150*
13C5 PFPeA	*61*		*25 - 150*
13C2 PFHxA	*67*		*25 - 150*
13C4 PFHpA	*64*		*25 - 150*
13C4 PFOA	*78*		*25 - 150*
13C5 PFNA	*61*		*25 - 150*
13C2 PFDA	*66*		*25 - 150*
13C2 PFUnA	*69*		*25 - 150*
13C2 PFDoA	*63*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129207-15 MS **Client Sample ID: SSHS-IRM5A2-A1-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 539693 **Prep Batch: 538610**

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	74		25 - 150
13C3 PFBS	63		25 - 150
18O2 PFHxS	75		25 - 150
13C4 PFOS	65		25 - 150
13C8 FOSA	68		25 - 150
d3-NMeFOSAA	54		25 - 150
d5-NEtFOSAA	59		25 - 150
M2-6:2 FTS	67		25 - 150
M2-8:2 FTS	86		25 - 150

Lab Sample ID: 180-129207-15 MSD **Client Sample ID: SSHS-IRM5A2-A1-A40C**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 539693 **Prep Batch: 538610**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.089	J	2.11	2.01		ug/Kg	☼	91	76 - 136	11	30
Perfluoropentanoic acid (PFPeA)	ND		2.11	2.19		ug/Kg	☼	104	69 - 129	4	30
Perfluorohexanoic acid (PFHxA)	ND		2.11	2.04		ug/Kg	☼	97	71 - 131	4	30
Perfluoroheptanoic acid (PFHpA)	ND		2.11	2.26		ug/Kg	☼	107	71 - 131	4	30
Perfluorooctanoic acid (PFOA)	ND		2.11	2.02		ug/Kg	☼	96	72 - 132	5	30
Perfluorononanoic acid (PFNA)	ND		2.11	2.27		ug/Kg	☼	107	73 - 133	0	30
Perfluorodecanoic acid (PFDA)	ND		2.11	2.08		ug/Kg	☼	98	72 - 132	8	30
Perfluoroundecanoic acid (PFUnA)	ND		2.11	1.95		ug/Kg	☼	93	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		2.11	2.00		ug/Kg	☼	95	71 - 131	12	30
Perfluorotridecanoic acid (PFTriA)	ND		2.11	2.62		ug/Kg	☼	124	71 - 131	8	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.11	2.09		ug/Kg	☼	99	67 - 127	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.86	1.75		ug/Kg	☼	94	69 - 129	6	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.92	1.80		ug/Kg	☼	94	62 - 122	6	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.01	1.90		ug/Kg	☼	95	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.96	1.95		ug/Kg	☼	100	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.03	1.71		ug/Kg	☼	84	71 - 131	7	30
Perfluorooctanesulfonamide (FOSA)	ND		2.11	2.22		ug/Kg	☼	105	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.11	2.48		ug/Kg	☼	118	72 - 132	7	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.11	2.27		ug/Kg	☼	108	72 - 132	1	30
6:2 FTS	ND		2.00	2.09		ug/Kg	☼	105	73 - 139	4	30
8:2 FTS	ND		2.02	2.25		ug/Kg	☼	111	75 - 135	4	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	86		25 - 150
13C5 PFPeA	60		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-129207-15 MSD
Matrix: Solid
Analysis Batch: 539693

Client Sample ID: SSHS-IRM5A2-A1-A40C
Prep Type: Total/NA
Prep Batch: 538610

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	68		25 - 150
13C4 PFHpA	65		25 - 150
13C4 PFOA	82		25 - 150
13C5 PFNA	59		25 - 150
13C2 PFDA	75		25 - 150
13C2 PFUnA	71		25 - 150
13C2 PFDoA	69		25 - 150
13C2 PFTeDA	74		25 - 150
13C3 PFBS	63		25 - 150
18O2 PFHxS	79		25 - 150
13C4 PFOS	66		25 - 150
13C8 FOSA	66		25 - 150
d3-NMeFOSAA	52		25 - 150
d5-NEtFOSAA	58		25 - 150
M2-6:2 FTS	76		25 - 150
M2-8:2 FTS	97		25 - 150

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-129207-2

LCMS

Prep Batch: 538610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	SHAKE	
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	SHAKE	
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	SHAKE	
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	SHAKE	
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	SHAKE	
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	SHAKE	
MB 320-538610/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-538610/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	SHAKE	
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	SHAKE	

Analysis Batch: 538852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-538610/1-A	Method Blank	Total/NA	Solid	537 (modified)	538610
LCS 320-538610/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	538610

Analysis Batch: 539693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-129207-3	SSHS-IRM5A2-A1-A36C	Total/NA	Solid	537 (modified)	538610
180-129207-6	SSHS-IRM5A2-A1-A37C	Total/NA	Solid	537 (modified)	538610
180-129207-9	SSHS-IRM5A2-A1-A38C	Total/NA	Solid	537 (modified)	538610
180-129207-12	SSHS-IRM5A2-A1-A39C	Total/NA	Solid	537 (modified)	538610
180-129207-15	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	537 (modified)	538610
180-129207-18	SSHS-IRM5A2-A1-DUP4C	Total/NA	Solid	537 (modified)	538610
180-129207-15 MS	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	537 (modified)	538610
180-129207-15 MSD	SSHS-IRM5A2-A1-A40C	Total/NA	Solid	537 (modified)	538610

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A36A	10/28/21	1046	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A36B	10/28/21	1047	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A36C	10/28/21	1045	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A37A	10/28/21	1101	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37B	10/28/21	1102	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37C	10/28/21	1100	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A38A	10/28/21	1116	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38B	10/28/21	1117	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38C	10/28/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A39A	10/28/21	1251	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A39B	10/28/21	1252	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Mo

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/29/21 1015	Company EAPitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

180-129207 Chain of Custody

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N						
SSHS-IRM5A2-A1-A39C	10/28/21	1250	C	S	N	N		X	X	X	X	X	X	X					5	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A40A	10/28/21	1331	G	S	N	Y	X												12	
SSHS-IRM5A2-A1-A40B	10/28/21	1332	G	S	N	Y	X												12	
SSHS-IRM5A2-A1-A40C	10/28/21	1330	C	S	N	Y		X	X	X	X	X	X	X					10	
SSHS-IRM5A2-A1-DUP4A	10/28/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP4B	10/28/21		G	S	N	N	X												4	
SSHS-IRM5A2-A1-DUP4C	10/28/21		C	S	N	N		X	X	X	X	X	X	X					5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:					
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Justin Hobart / Josh Horne	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 662-338-0022 / 573-327-0209	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-129207 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8082A - DER-10 PCBs	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N		
SSHS-IRM5A2-A1-A36A	10/28/21	1046	G	S	N	N	X								4	Containers for PFAS (2 per sample ID) sent directly to Eurofins Sacramento.
SSHS-IRM5A2-A1-A36B	10/28/21	1047	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A36C	10/28/21	1045	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A37A	10/28/21	1101	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37B	10/28/21	1102	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A37C	10/28/21	1100	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A38A	10/28/21	1116	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38B	10/28/21	1117	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A38C	10/28/21	1115	C	S	N	N		X	X	X	X	X	X	X	5	
SSHS-IRM5A2-A1-A39A	10/28/21	1251	G	S	N	N	X								4	
SSHS-IRM5A2-A1-A39B	10/28/21	1252	G	S	N	N	X								4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/29/21	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Δ Not fully relinquished 10/29/21

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

Job: 180-129207 Field Sheet

Tracking # : 7750 1254 7846

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 005 Corr. Factor: (+ / -) N/A °C

Ice ~ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1771122

Cooler ID: —

Temp Observed: 6.0 °C Corrected: 6.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 10/29/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: IB Date: 10/29/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: DH Date: 10/29/21

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1771122

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 28OCT21
ACTWGT: 50.00 LB
CAD: 252144956/INET4400
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832
INV: 01
PO: 17 DEPT: 1751

56DJ3/14BA/FE4A

FedEx Express

FRI - 29 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7750 1254 7816

95605
CA-US SMF

XH BLUA

FedEx Ship Manager - Print Your Label(s)

1771122

eurofins | Environment Testing TestAmerica

Custody Seal

DATE 10.23.2

SIGNATURE

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129207-2

Login Number: 129207
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins TestAmerica, Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-129207-2

Login Number: 129207
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 10/29/21 06:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1771122
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-154088-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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QC Sample Results 12
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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154088-2

Receipt
The samples were received on 3/24/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.0º C and 5.4º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154088-3	SSHS-IRM5A2-A1C	Solid	03/23/23 16:10	03/24/23 10:30
180-154088-6	SSHS-IRM5A2-A2C	Solid	03/23/23 16:15	03/24/23 10:30

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1C
Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.04 g	10.0 mL	663461	03/26/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	663661	03/27/23 19:02	S1M	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-IRM5A2-A2C
Lab Sample ID: 180-154088-6
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.20 g	10.0 mL	663461	03/26/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	663661	03/27/23 19:12	S1M	EET SAC
	Instrument ID: A25									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A1C
Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 92.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	03/26/23 20:00	03/27/23 19:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*54*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C5 PFPeA	*75*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C2 PFHxA	*87*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C4 PFHpA	*85*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C4 PFOA	*83*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C5 PFNA	*82*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C2 PFDA	*87*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C2 PFUnA	*83*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C2 PFDoA	*90*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C3 PFBS	*58*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
18O2 PFHxS	*61*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C4 PFOS	*70*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
13C8 FOSA	*87*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
M2-6:2 FTS	*57*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*
M2-8:2 FTS	*59*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:02*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A2C
Lab Sample ID: 180-154088-6
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 93.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.023	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.022	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.024	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	03/26/23 20:00	03/27/23 19:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*50*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C5 PFPeA	*77*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C2 PFHxA	*79*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C4 PFHpA	*85*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C4 PFOA	*79*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C5 PFNA	*84*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C2 PFDA	*81*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C2 PFUnA	*83*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C2 PFDoA	*83*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C3 PFBS	*50*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
18O2 PFHxS	*55*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C4 PFOS	*64*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
13C8 FOSA	*79*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
M2-6:2 FTS	*54*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*
M2-8:2 FTS	*63*		*25 - 150*	*03/26/23 20:00*	*03/27/23 19:12*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-663461/1-A
Matrix: Solid
Analysis Batch: 664495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
Perfluorooctanesulfonamide (FOSA)	0.0380	J	0.20	0.033	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
6:2 FTS	0.0319	J	0.20	0.027	ug/Kg		03/26/23 20:00	03/30/23 06:41	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/26/23 20:00	03/30/23 06:41	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*44*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C5 PFPeA	*86*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C2 PFHxA	*83*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C4 PFHpA	*84*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C4 PFOA	*85*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C5 PFNA	*86*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C2 PFDA	*91*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C2 PFUnA	*91*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C2 PFDoA	*96*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C3 PFBS	*76*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
18O2 PFHxS	*86*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C4 PFOS	*86*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*03/26/23 20:00*	*03/30/23 06:41*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-663461/2-A
Matrix: Solid
Analysis Batch: 663661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.05		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.09		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.07		ug/Kg		104	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.13		ug/Kg		107	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.37		ug/Kg		118	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.39		ug/Kg		119	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.07		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.08		ug/Kg		104	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.89		ug/Kg		94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.19		ug/Kg		109	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.88		ug/Kg		106	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.89		ug/Kg		104	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.77		ug/Kg		93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.78		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.91		ug/Kg		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.93		ug/Kg		97	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.08		ug/Kg		104	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.99		ug/Kg		100	72 - 132
6:2 FTS	1.90	2.53		ug/Kg		133	73 - 139
8:2 FTS	1.92	1.75		ug/Kg		91	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*40*		*25 - 150*
13C5 PFPeA	*78*		*25 - 150*
13C2 PFHxA	*74*		*25 - 150*
13C4 PFHpA	*86*		*25 - 150*
13C4 PFOA	*87*		*25 - 150*
13C5 PFNA	*83*		*25 - 150*
13C2 PFDA	*81*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*
13C2 PFTeDA	*82*		*25 - 150*
13C3 PFBS	*80*		*25 - 150*
18O2 PFHxS	*84*		*25 - 150*
13C4 PFOS	*95*		*25 - 150*
13C8 FOSA	*92*		*25 - 150*
d3-NMeFOSAA	*97*		*25 - 150*
d5-NEtFOSAA	*95*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-663461/2-A
Matrix: Solid
Analysis Batch: 663661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663461

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	77		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 663461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	SHAKE	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	SHAKE	
MB 320-663461/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-663461/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 663661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	537 (modified)	663461
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	537 (modified)	663461
LCS 320-663461/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	663461

Analysis Batch: 664495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-663461/1-A	Method Blank	Total/NA	Solid	537 (modified)	663461

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A1A	3/23/23	1610	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1B	3/23/23	1610	G	Solid	N	N	X													4	
SSHS-IRM5A2-A1C	3/23/23	1610	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A2A	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2B	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2C	3/23/23	1615	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-154088 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Colin	Date/Time: 3/23/23	Company	Received by:	Date/Time: 3/24/23 10:30	Company EP.ITNG
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A1A	3/23/23	1610	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1B	3/23/23	1610	G	Solid	N	N	X													4	
SSHS-IRM5A2-A1C	3/23/23	1610	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A2A	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2B	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2C	3/23/23	1615	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-154088 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/23/23			3-24-23 0920	EEBE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.0°C

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154088 Field Sheet

Tracking # : 7716 1629 6355

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice ~ Wet _____ Gel _____ Other _____

Cooler Custody Seal: ✓

Cooler ID: ✓

Temp Observed: 5.0 °C Corrected: 5.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/24/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

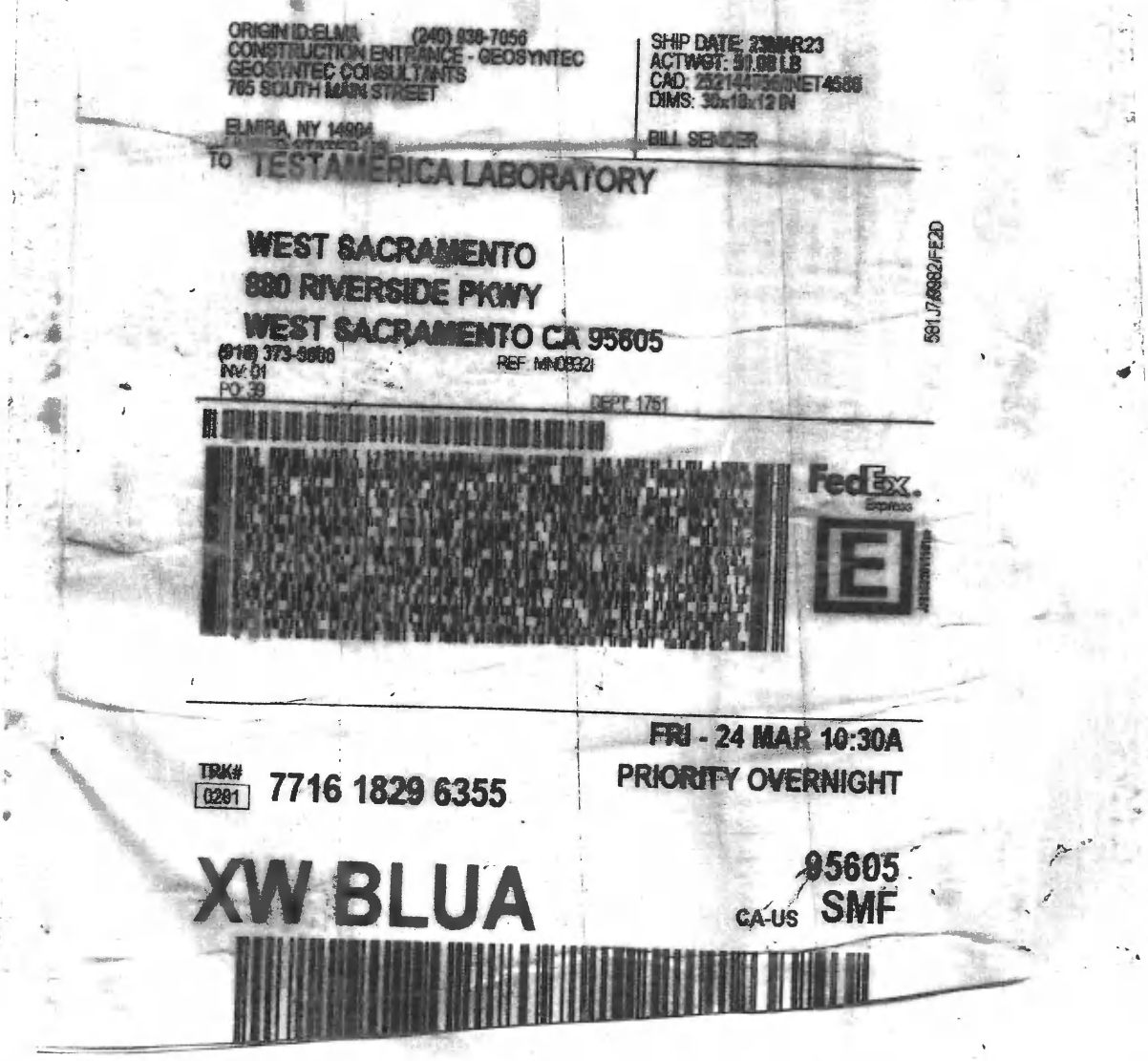
Initials: SD Date: 3-24-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 3-24-23


ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
785 SOUTH MAIN STREET
ELMIRA, NY 14904
SHIP DATE: 23MAR23
ACTWGT: 50.00 LB
CAD: 252144736/INET4586
DIMS: 30x18x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
REF: MN0832
INV: 01
PO: 39
DEPT: 1751
591J7/8932/FE2D
FedEx Express
FRI - 24 MAR 10:30A
PRIORITY OVERNIGHT
TRK# 0201 7716 1829 6355
XW BLUA
95605
CA-US SMF

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154088-2

Login Number: 154088
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154088-2

Login Number: 154088
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 03/24/23 04:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 4/6/2023 4:54:07 PM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-154190-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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4/6/2023 4:54:07 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-154190-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154190-2

Receipt
The samples were received on 3/28/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4º C and 4.3º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154190-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154190-3	SSHS-IRM5A2-A3C	Solid	03/27/23 14:00	03/28/23 10:34
180-154190-6	SSHS-IRM5A2-A4C	Solid	03/27/23 14:05	03/28/23 10:34
180-154190-9	SSHS-IRM5A2-A5C	Solid	03/27/23 14:10	03/28/23 10:34
180-154190-12	SSHS-IRM5A2-A6C	Solid	03/27/23 14:15	03/28/23 10:34
180-154190-15	SSHS-IRM5A2-A7C	Solid	03/27/23 14:20	03/28/23 10:34

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-2

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	663932	03/28/23 21:22	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664594	03/30/23 15:59	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A4C
Lab Sample ID: 180-154190-6
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	663932	03/28/23 21:22	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664594	03/30/23 16:09	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A5C
Lab Sample ID: 180-154190-9
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	663932	03/28/23 21:22	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664594	03/30/23 16:19	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A6C
Lab Sample ID: 180-154190-12
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.0 mL	663932	03/28/23 21:22	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664594	03/30/23 16:29	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A7C
Lab Sample ID: 180-154190-15
Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	663932	03/28/23 21:22	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664594	03/30/23 16:40	S1M	EET SAC
	Instrument ID: A23									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-2

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-154190-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	03/28/23 21:22	03/30/23 15:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C5 PFPeA	*93*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C2 PFHxA	*89*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C4 PFHpA	*92*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C4 PFOA	*84*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C5 PFNA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C2 PFDA	*102*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C2 PFUnA	*103*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C2 PFDoA	*110*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C3 PFBS	*72*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
18O2 PFHxS	*68*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C4 PFOS	*72*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
M2-6:2 FTS	*57*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:59*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-2

Client Sample ID: SSHS-IRM5A2-A4C
Date Collected: 03/27/23 14:05
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-6
Matrix: Solid
Percent Solids: 94.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/28/23 21:22	03/30/23 16:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C5 PFPeA	*93*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C2 PFHxA	*93*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C4 PFHpA	*92*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C4 PFOA	*82*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C5 PFNA	*93*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C2 PFDA	*100*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C2 PFUnA	*103*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C2 PFDoA	*111*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C3 PFBS	*72*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
18O2 PFHxS	*64*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C4 PFOS	*72*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
M2-6:2 FTS	*63*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:09*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-2

Client Sample ID: SSHS-IRM5A2-A5C
Date Collected: 03/27/23 14:10
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-9
Matrix: Solid
Percent Solids: 94.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/28/23 21:22	03/30/23 16:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C5 PFPeA	*96*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C2 PFHxA	*94*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C4 PFHpA	*93*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C4 PFOA	*85*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C5 PFNA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C2 PFDA	*96*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C2 PFUnA	*98*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C2 PFDoA	*109*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C3 PFBS	*74*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
18O2 PFHxS	*67*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C4 PFOS	*72*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
M2-6:2 FTS	*61*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:19*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154190-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A6C
Lab Sample ID: 180-154190-12
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/28/23 21:22	03/30/23 16:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C5 PFPeA	*97*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C2 PFHxA	*98*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C4 PFHpA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C4 PFOA	*85*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C5 PFNA	*98*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C2 PFDA	*102*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C2 PFUnA	*103*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C2 PFDoA	*105*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C3 PFBS	*77*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
18O2 PFHxS	*70*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C4 PFOS	*74*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
13C8 FOSA	*98*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
M2-6:2 FTS	*63*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:29*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154190-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A7C
Lab Sample ID: 180-154190-15
Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	03/28/23 21:22	03/30/23 16:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C5 PFPeA	*96*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C2 PFHxA	*88*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C4 PFHpA	*89*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C4 PFOA	*82*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C5 PFNA	*94*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C2 PFDA	*100*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C2 PFUnA	*101*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C2 PFDoA	*105*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C3 PFBS	*73*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
18O2 PFHxS	*67*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C4 PFOS	*73*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
M2-6:2 FTS	*60*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*03/28/23 21:22*	*03/30/23 16:40*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-663932/1-A
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
6:2 FTS	ND		0.20	0.027	ug/Kg		03/28/23 21:22	03/30/23 15:38	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/28/23 21:22	03/30/23 15:38	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C5 PFPeA	*89*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C2 PFHxA	*92*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C4 PFHpA	*90*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C4 PFOA	*82*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C5 PFNA	*94*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C2 PFDA	*102*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C2 PFUnA	*100*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C2 PFDoA	*97*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C3 PFBS	*99*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
18O2 PFHxS	*89*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C4 PFOS	*96*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
13C8 FOSA	*100*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*03/28/23 21:22*	*03/30/23 15:38*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-663932/2-A
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.05		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.97		ug/Kg		99	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.95		ug/Kg		97	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.01		ug/Kg		100	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.12		ug/Kg		106	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.08		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.00		ug/Kg		100	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.05		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.03		ug/Kg		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.81		ug/Kg		90	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.09		ug/Kg		104	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.76		ug/Kg		99	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.84		ug/Kg		101	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.84		ug/Kg		96	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.89		ug/Kg		102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.06		ug/Kg		107	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.02		ug/Kg		101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.03		ug/Kg		102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.08		ug/Kg		104	72 - 132
6:2 FTS	1.90	2.06		ug/Kg		108	73 - 139
8:2 FTS	1.92	2.02		ug/Kg		105	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*65*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*97*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*86*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*102*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*99*		*25 - 150*
18O2 PFHxS	*89*		*25 - 150*
13C4 PFOS	*96*		*25 - 150*
13C8 FOSA	*102*		*25 - 150*
d3-NMeFOSAA	*106*		*25 - 150*
d5-NEtFOSAA	*105*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-663932/2-A
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663932

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*90*		*25 - 150*
M2-8:2 FTS	*108*		*25 - 150*

Lab Sample ID: 180-154190-15 MS
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: SSHS-IRM5A2-A7C
Prep Type: Total/NA
Prep Batch: 663932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.11	2.24		ug/Kg	☼	106	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.11	2.06		ug/Kg	☼	97	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.11	2.03		ug/Kg	☼	96	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.11	2.05		ug/Kg	☼	97	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.11	2.27		ug/Kg	☼	107	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.11	2.19		ug/Kg	☼	104	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.11	2.20		ug/Kg	☼	104	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.11	2.14		ug/Kg	☼	101	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.11	1.89		ug/Kg	☼	89	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.11	1.62		ug/Kg	☼	77	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.11	2.09		ug/Kg	☼	99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.88	1.85		ug/Kg	☼	99	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.93	1.86		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.02	1.98		ug/Kg	☼	98	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.97	2.04		ug/Kg	☼	104	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.04	2.31		ug/Kg	☼	113	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.11	2.14		ug/Kg	☼	101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.11	2.16		ug/Kg	☼	102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.11	2.07		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		2.01	2.22		ug/Kg	☼	111	73 - 139
8:2 FTS	ND		2.03	1.96		ug/Kg	☼	97	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*67*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*94*		*25 - 150*
13C4 PFOA	*87*		*25 - 150*
13C5 PFNA	*96*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*99*		*25 - 150*
13C2 PFDoA	*116*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154190-15 MS
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: SSHS-IRM5A2-A7C
Prep Type: Total/NA
Prep Batch: 663932

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	88		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	70		25 - 150
13C4 PFOS	74		25 - 150
13C8 FOSA	98		25 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	104		25 - 150
M2-6:2 FTS	67		25 - 150
M2-8:2 FTS	89		25 - 150

Lab Sample ID: 180-154190-15 MSD
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: SSHS-IRM5A2-A7C
Prep Type: Total/NA
Prep Batch: 663932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.08	2.27		ug/Kg	☼	110	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.08	2.02		ug/Kg	☼	97	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)	ND		2.08	2.09		ug/Kg	☼	100	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.08	2.19		ug/Kg	☼	106	71 - 131	7	30
Perfluorooctanoic acid (PFOA)	ND		2.08	2.30		ug/Kg	☼	111	72 - 132	1	30
Perfluorononanoic acid (PFNA)	ND		2.08	2.08		ug/Kg	☼	100	73 - 133	5	30
Perfluorodecanoic acid (PFDA)	ND		2.08	2.11		ug/Kg	☼	102	72 - 132	4	30
Perfluoroundecanoic acid (PFUnA)	ND		2.08	2.13		ug/Kg	☼	102	66 - 126	0	30
Perfluorododecanoic acid (PFDoA)	ND		2.08	1.93		ug/Kg	☼	93	71 - 131	2	30
Perfluorotridecanoic acid (PFTriA)	ND		2.08	1.84		ug/Kg	☼	89	71 - 131	13	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.08	1.97		ug/Kg	☼	95	67 - 127	6	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.84	1.82		ug/Kg	☼	99	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.89	1.94		ug/Kg	☼	102	62 - 122	4	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.98	1.93		ug/Kg	☼	97	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.93	1.98		ug/Kg	☼	102	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.00	2.23		ug/Kg	☼	111	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.08	2.16		ug/Kg	☼	104	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.08	2.11		ug/Kg	☼	102	72 - 132	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.08	2.05		ug/Kg	☼	99	72 - 132	1	30
6:2 FTS	ND		1.98	2.32		ug/Kg	☼	117	73 - 139	4	30
8:2 FTS	ND		1.99	1.96		ug/Kg	☼	99	75 - 135	0	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	73		25 - 150
13C5 PFPeA	103		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154190-15 MSD
Matrix: Solid
Analysis Batch: 664594

Client Sample ID: SSHS-IRM5A2-A7C
Prep Type: Total/NA
Prep Batch: 663932

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	102		25 - 150
13C4 PFHpA	94		25 - 150
13C4 PFOA	87		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	103		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	86		25 - 150
13C3 PFBS	79		25 - 150
18O2 PFHxS	71		25 - 150
13C4 PFOS	78		25 - 150
13C8 FOSA	101		25 - 150
d3-NMeFOSAA	104		25 - 150
d5-NEtFOSAA	107		25 - 150
M2-6:2 FTS	70		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154190-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 663932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	SHAKE	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	SHAKE	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	SHAKE	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	SHAKE	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	SHAKE	
MB 320-663932/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-663932/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-154190-15 MS	SSHS-IRM5A2-A7C	Total/NA	Solid	SHAKE	
180-154190-15 MSD	SSHS-IRM5A2-A7C	Total/NA	Solid	SHAKE	

Analysis Batch: 664594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	537 (modified)	663932
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	537 (modified)	663932
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	537 (modified)	663932
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	537 (modified)	663932
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	537 (modified)	663932
MB 320-663932/1-A	Method Blank	Total/NA	Solid	537 (modified)	663932
LCS 320-663932/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	663932
180-154190-15 MS	SSHS-IRM5A2-A7C	Total/NA	Solid	537 (modified)	663932
180-154190-15 MSD	SSHS-IRM5A2-A7C	Total/NA	Solid	537 (modified)	663932

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

4/6/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
Client Contact: Mr. Aron Krasnopoler	C Lamas	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044	PO #: MN0832			
Phone:	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A3A	3/27/23	1400	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A3B	3/27/23	1400	G	Solid	N	N	X										4	
SSHS-IRM5A2-A3C	3/27/23	1400	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A4A	3/27/23	1405	G	Solid	N	N	X										4	
SSHS-IRM5A2-A4B	3/27/23	1405	G	Solid	N	N	X										4	
SSHS-IRM5A2-A4C	3/27/23	1405	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A5A	3/27/23	1410	G	Solid	N	N	X										4	
SSHS-IRM5A2-A5B	3/27/23	1410	G	Solid	N	N	X										4	
SSHS-IRM5A2-A5C	3/27/23	1410	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A6A	3/27/23	1415	G	Solid	N	N	X										4	
SSHS-IRM5A2-A6B	3/27/23	1415	G	Solid	N	N	X										4	

180-154190 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
		3/27/23			3-28-23 1034	EPI/AVE
	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
	Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

4/6/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr Aron Krasnopoler	Z Miller	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044	PO #: MN0832			
Phone:	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A6C	3/27/23	1415	C	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A7A	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7B	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7C	3/27/23	1420	C	Solid	N	N		X		X		X	X	X	X	X				6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3/27/23	Company	Received by:	Date/Time: 3-28-23 1034	Company EPI PITT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154190 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A3A	3/27/23	1400	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A3B	3/27/23	1400	G	Solid	N	N	X													4	
SSHS-IRM5A2-A3C	3/27/23	1400	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A4A	3/27/23	1405	G	Solid	N	N	X													4	
SSHS-IRM5A2-A4B	3/27/23	1405	G	Solid	N	N	X													4	
SSHS-IRM5A2-A4C	3/27/23	1405	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A5A	3/27/23	1410	G	Solid	N	N	X													4	
SSHS-IRM5A2-A5B	3/27/23	1410	G	Solid	N	N	X													4	
SSHS-IRM5A2-A5C	3/27/23	1410	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A6A	3/27/23	1415	G	Solid	N	N	X													4	
SSHS-IRM5A2-A6B	3/27/23	1415	G	Solid	N	N	X													4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/28/23	Company	Received by:	Date/Time: 3.28.23 0940	Company EETSac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 10 Day
State, Zip: MD, 21044	
Phone:	PO #: MN0832
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A6C	3/27/23	1415	C	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A7A	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7B	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7C	3/27/23	1420	C	Solid	N	N		X		X		X	X	X	X	X				6	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/27/23	Company	Received by:	Date/Time: 3-28-23 0940	Company EETSac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

Job:__ 180-154190 Field Sheet ____

Tracking # : 7716 5674 6220

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 603 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: _____

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 3-28-23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-28-23

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 3-28-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154190-2

Login Number: 154190
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154190-2

Login Number: 154190
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 03/28/23 04:58 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-154088-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-154088-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154088-1

Receipt
The samples were received on 3/24/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.0º C and 5.4º C.

GC/MS VOA
Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 180-430663 recovered above the control limits for the following analytes: Xylenes, Total, 1,3-Dichlorobenzene, Tetrachloroethene, Trichloroethene, 1,4-Dichlorobenzene, Ethylbenzene, sec-Butylbenzene, N-Propylbenzene, and/or tert-Butylbenzene. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-430663 was outside the method criteria for the following analyte: Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-430663 was above criteria for the following analytes: 1,2-Dichlorobenzene, Carbon tetrachloride, m-Xylene & p-Xylene, o-Xylene, Xylenes, Total, 1,3-Dichlorobenzene, Tetrachloroethene, Trichloroethene, 1,4-Dichlorobenzene, sec-Butylbenzene, N-Propylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and tert-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate Nitrobenzene-d5 was above the control limits for the following sample: SSHS-IRM5A2-A1C (180-154088-3). As the surrogate recovery was high and there were no target analytes detected in the sample above the reporting limits, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A1C (180-154088-3) had the recoveries of Pentachlorophenol below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 9014: The continuing calibration verifications (CCV) associated with batch 180-430823 recovered above the control limits for cyanide. As the samples associated with these CCVs did not have cyanide detected, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-1
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154088-1	SSHS-IRM5A2-A1A	Solid	03/23/23 16:10	03/24/23 10:30
180-154088-2	SSHS-IRM5A2-A1B	Solid	03/23/23 16:10	03/24/23 10:30
180-154088-3	SSHS-IRM5A2-A1C	Solid	03/23/23 16:10	03/24/23 10:30
180-154088-4	SSHS-IRM5A2-A2A	Solid	03/23/23 16:15	03/24/23 10:30
180-154088-5	SSHS-IRM5A2-A2B	Solid	03/23/23 16:15	03/24/23 10:30
180-154088-6	SSHS-IRM5A2-A2C	Solid	03/23/23 16:15	03/24/23 10:30

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-1

Client Sample ID: SSHS-IRM5A2-A1A
Lab Sample ID: 180-154088-1
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430493	03/27/23 17:05	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1A
Lab Sample ID: 180-154088-1
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2265 g	5 mL	430728	03/29/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430663	03/29/23 19:57	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1B
Lab Sample ID: 180-154088-2
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430493	03/27/23 17:05	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1B
Lab Sample ID: 180-154088-2
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1989 g	5 mL	430728	03/29/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430663	03/29/23 20:42	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A1C
Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430493	03/27/23 17:05	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A1C
Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	430752	03/29/23 17:02	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430784	03/30/23 12:34	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-1

Client Sample ID: SSHS-IRM5A2-A1C

Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430492	03/27/23 16:52	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430504	03/28/23 04:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430505	03/28/23 04:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	430510	03/28/23 23:37	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.79 g	50 mL	430722	03/29/23 13:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 16:54	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	431130	04/03/23 11:44	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			431294	04/04/23 13:02	RJR	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.52 g	100 mL	431304	04/04/23 15:01	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432052	04/07/23 13:22	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.38 g	10 mL	430738	03/29/23 15:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			430823	03/29/23 17:31	CMR	EET PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A2A

Lab Sample ID: 180-154088-4
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430493	03/27/23 17:05	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2A

Lab Sample ID: 180-154088-4
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3649 g	5 mL	430728	03/29/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430663	03/29/23 19:34	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2B

Lab Sample ID: 180-154088-5
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430493	03/27/23 17:05	ELS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-1

Client Sample ID: SSHS-IRM5A2-A2B

Lab Sample ID: 180-154088-5
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2904 g	5 mL	430728	03/29/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430663	03/29/23 20:20	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A2C

Lab Sample ID: 180-154088-6
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430493	03/27/23 17:05	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A2C

Lab Sample ID: 180-154088-6
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	0.5 mL	430752	03/29/23 17:02	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430784	03/30/23 13:40	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	430492	03/27/23 16:52	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430504	03/28/23 04:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430505	03/28/23 04:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	430510	03/28/23 23:55	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.71 g	50 mL	430722	03/29/23 13:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 16:59	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	431130	04/03/23 11:44	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			431294	04/04/23 13:03	RJR	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	431304	04/04/23 15:01	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432052	04/07/23 13:23	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.31 g	10 mL	430738	03/29/23 15:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			430823	03/29/23 17:32	CMR	EET PIT
	Instrument ID: SEAL1									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-1

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - BAC = Blase Cindric
  - CMR = Carl Reagle
  - JBP = Jack Prothero
  - JSM = Joseph Moore
  - PJJ = Patrick Journet
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - BAC = Blase Cindric
  - CMR = Carl Reagle
  - ELS = Edwin Shireman
  - JMO = John Oravec
  - PJJ = Patrick Journet
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A1A
Lab Sample ID: 180-154088-1
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,3-Dichlorobenzene	ND	*+	0.0050	0.0031	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,4-Dichlorobenzene	ND	*+	0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Ethylbenzene	ND	*+	0.0050	0.0019	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
N-Propylbenzene	ND	*+	0.0050	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
sec-Butylbenzene	ND	*+	0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
tert-Butylbenzene	ND	*+	0.0050	0.0021	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Tetrachloroethene	ND	*+	0.0050	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Trichloroethene	ND	*+	0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1
Xylenes, Total	ND	*+	0.010	0.0072	mg/Kg	☼	03/29/23 07:22	03/29/23 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*03/29/23 07:22*	*03/29/23 19:57*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*03/29/23 07:22*	*03/29/23 19:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*	*03/29/23 07:22*	*03/29/23 19:57*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/29/23 07:22*	*03/29/23 19:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.5**		0.1	0.1	%			03/27/23 17:05	1
Percent Solids (SM22 2540G)	**95.5**		0.1	0.1	%			03/27/23 17:05	1

Client Sample ID: SSHS-IRM5A2-A1B
Lab Sample ID: 180-154088-2
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1

Client Sample ID: SSHS-IRM5A2-A1B
Lab Sample ID: 180-154088-2
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0050	0.0026	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,3-Dichlorobenzene	ND	*+	0.0050	0.0031	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,4-Dichlorobenzene	ND	*+	0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Ethylbenzene	ND	*+	0.0050	0.0019	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
N-Propylbenzene	ND	*+	0.0050	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
sec-Butylbenzene	ND	*+	0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
tert-Butylbenzene	ND	*+	0.0050	0.0021	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Tetrachloroethene	ND	*+	0.0050	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Trichloroethene	ND	*+	0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1
Xylenes, Total	ND	*+	0.010	0.0073	mg/Kg	☼	03/29/23 07:22	03/29/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*03/29/23 07:22*	*03/29/23 20:42*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*03/29/23 07:22*	*03/29/23 20:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*73 - 135*	*03/29/23 07:22*	*03/29/23 20:42*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*03/29/23 07:22*	*03/29/23 20:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.4**		0.1	0.1	%			03/27/23 17:05	1
Percent Solids (SM22 2540G)	**95.6**		0.1	0.1	%			03/27/23 17:05	1

Client Sample ID: SSHS-IRM5A2-A1C
Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 92.7

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Acenaphthylene	ND		0.0072	0.0016	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Anthracene	ND		0.0072	0.0019	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Benzo[a]anthracene	ND		0.0072	0.0032	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154088-1

Client Sample ID: SSHS-IRM5A2-A1C
Date Collected: 03/23/23 16:10
Date Received: 03/24/23 10:30

Lab Sample ID: 180-154088-3
Matrix: Solid
Percent Solids: 92.7

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0072	0.0031	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Benzo[b]fluoranthene	ND		0.0072	0.0018	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Benzo[g,h,i]perylene	ND		0.0072	0.0016	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Benzo[k]fluoranthene	ND		0.0072	0.0022	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Chrysene	ND		0.0072	0.0040	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
2,4-Dinitrotoluene	ND		0.036	0.021	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Fluoranthene	ND		0.0072	0.0019	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Indeno[1,2,3-cd]pyrene	ND		0.0072	0.0036	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Naphthalene	ND		0.0072	0.0014	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Pentachlorophenol	ND	F1	0.18	0.058	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Phenanthrene	**0.0022**	**J**	0.0072	0.0019	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Phenol	ND		0.036	0.011	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Pyrene	ND		0.0072	0.0017	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	03/29/23 17:02	03/30/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*35 - 105*	*03/29/23 17:02*	*03/30/23 12:34*	*1*
2-Fluorophenol (Surr)	*95*		*32 - 105*	*03/29/23 17:02*	*03/30/23 12:34*	*1*
Nitrobenzene-d5 (Surr)	*120*	*S1+*	*34 - 109*	*03/29/23 17:02*	*03/30/23 12:34*	*1*
Phenol-d5 (Surr)	*92*		*34 - 105*	*03/29/23 17:02*	*03/30/23 12:34*	*1*
Terphenyl-d14 (Surr)	*103*		*20 - 117*	*03/29/23 17:02*	*03/30/23 12:34*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*03/29/23 17:02*	*03/30/23 12:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/27/23 16:52	03/28/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/27/23 16:52*	*03/28/23 23:37*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/27/23 16:52*	*03/28/23 23:37*	*1*

Client Sample ID: SSHS-IRM5A2-A1C

Lab Sample ID: 180-154088-3
Date Collected: 03/23/23 16:10
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 92.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*03/27/23 16:52*	*03/28/23 23:37*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*03/27/23 16:52*	*03/28/23 23:37*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		0.68	0.43	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Barium	**54**		14	2.4	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Beryllium	**0.36**		0.27	0.074	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Cadmium	**0.11**	**J**	0.34	0.050	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Chromium	**11**		0.34	0.31	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Copper	**18**		1.7	1.0	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Lead	**23**		0.68	0.59	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Manganese	**260**		1.0	0.19	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Nickel	**18**		2.7	0.34	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Selenium	ND		0.68	0.31	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Silver	ND		0.34	0.071	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1
Zinc	**43**		1.4	0.99	mg/Kg	☼	03/29/23 13:00	04/06/23 16:54	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/03/23 11:44	04/04/23 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.3**		0.1	0.1	%			03/27/23 17:05	1
Percent Solids (SM22 2540G)	**92.7**		0.1	0.1	%			03/27/23 17:05	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	04/04/23 15:01	04/07/23 13:22	1
Cyanide, Total (SW846 EPA 9014)	ND	^+	0.28	0.22	mg/Kg	☼	03/29/23 15:45	03/29/23 17:31	1

Client Sample ID: SSHS-IRM5A2-A2A

Lab Sample ID: 180-154088-4
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 94.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,2-Dichlorobenzene	ND		0.0049	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,3-Dichlorobenzene	ND	*+	0.0049	0.0030	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,4-Dichlorobenzene	ND	*+	0.0049	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,4-Dioxane	ND		0.99	0.035	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1

Client Sample ID: SSHS-IRM5A2-A2A
Lab Sample ID: 180-154088-4
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 94.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	*+	0.0049	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Methylene Chloride	ND		0.0049	0.0045	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Methyl tert-butyl ether	ND		0.0049	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
n-Butylbenzene	ND		0.0049	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
N-Propylbenzene	ND	*+	0.0049	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
sec-Butylbenzene	ND	*+	0.0049	0.0024	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
tert-Butylbenzene	ND	*+	0.0049	0.0021	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Tetrachloroethene	ND	*+	0.0049	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,1,1-Trichloroethane	ND		0.0049	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Trichloroethene	ND	*+	0.0049	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Vinyl chloride	ND		0.0049	0.0036	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1
Xylenes, Total	ND	*+	0.0099	0.0071	mg/Kg	☼	03/29/23 07:22	03/29/23 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*03/29/23 07:22*	*03/29/23 19:34*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*03/29/23 07:22*	*03/29/23 19:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*73 - 135*	*03/29/23 07:22*	*03/29/23 19:34*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*03/29/23 07:22*	*03/29/23 19:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.7**		0.1	0.1	%			03/27/23 17:05	1
Percent Solids (SM22 2540G)	**94.3**		0.1	0.1	%			03/27/23 17:05	1

Client Sample ID: SSHS-IRM5A2-A2B
Lab Sample ID: 180-154088-5
Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Chloroform	ND		0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,3-Dichlorobenzene	ND	*+	0.0050	0.0031	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,4-Dichlorobenzene	ND	*+	0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,1-Dichloroethene	ND		0.0050	0.0022	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Ethylbenzene	ND	*+	0.0050	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1

Client Sample ID: SSHS-IRM5A2-A2B
Lab Sample ID: 180-154088-5

Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
N-Propylbenzene	ND	*+	0.0050	0.0018	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
sec-Butylbenzene	ND	*+	0.0050	0.0024	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
tert-Butylbenzene	ND	*+	0.0050	0.0021	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Tetrachloroethene	ND	*+	0.0050	0.0020	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
trans-1,2-Dichloroethene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Trichloroethene	ND	*+	0.0050	0.0016	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1
Xylenes, Total	ND	*+	0.010	0.0072	mg/Kg	☼	03/29/23 07:22	03/29/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*03/29/23 07:22*	*03/29/23 20:20*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*03/29/23 07:22*	*03/29/23 20:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*03/29/23 07:22*	*03/29/23 20:20*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*03/29/23 07:22*	*03/29/23 20:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.1**		0.1	0.1	%			03/27/23 17:05	1
Percent Solids (SM22 2540G)	**94.9**		0.1	0.1	%			03/27/23 17:05	1

Client Sample ID: SSHS-IRM5A2-A2C
Lab Sample ID: 180-154088-6

Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 93.8

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0069	0.0020	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Acenaphthylene	ND		0.0069	0.0015	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Anthracene	ND		0.0069	0.0018	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Benzo[a]anthracene	ND		0.0069	0.0031	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Benzo[a]pyrene	ND		0.0069	0.0030	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Benzo[b]fluoranthene	ND		0.0069	0.0017	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Benzo[g,h,i]perylene	ND		0.0069	0.0015	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Benzo[k]fluoranthene	ND		0.0069	0.0021	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Chrysene	ND		0.0069	0.0038	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Dibenz(a,h)anthracene	ND		0.0069	0.0044	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Fluoranthene	ND		0.0069	0.0018	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Fluorene	ND		0.0069	0.0014	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Hexachlorobenzene	ND		0.0069	0.0025	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Hexachlorobutadiene	ND		0.0069	0.0020	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1

Client Sample ID: SSHS-IRM5A2-A2C
Lab Sample ID: 180-154088-6

Date Collected: 03/23/23 16:15
Matrix: Solid
Date Received: 03/24/23 10:30
Percent Solids: 93.8

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0069	0.0034	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Naphthalene	ND		0.0069	0.0013	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Pentachlorophenol	ND		0.18	0.055	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Phenanthrene	ND		0.0069	0.0018	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Pyrene	ND		0.0069	0.0016	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
Pyridine	ND		0.069	0.019	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	03/29/23 17:02	03/30/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*03/29/23 17:02*	*03/30/23 13:40*	*1*
2-Fluorophenol (Surr)	*83*		*32 - 105*	*03/29/23 17:02*	*03/30/23 13:40*	*1*
Nitrobenzene-d5 (Surr)	*101*		*34 - 109*	*03/29/23 17:02*	*03/30/23 13:40*	*1*
Phenol-d5 (Surr)	*79*		*34 - 105*	*03/29/23 17:02*	*03/30/23 13:40*	*1*
Terphenyl-d14 (Surr)	*91*		*20 - 117*	*03/29/23 17:02*	*03/30/23 13:40*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*20 - 119*	*03/29/23 17:02*	*03/30/23 13:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1248	ND		0.017	0.0042	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1260	ND		0.017	0.0050	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/27/23 16:52	03/28/23 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*03/27/23 16:52*	*03/28/23 23:55*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*03/27/23 16:52*	*03/28/23 23:55*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*03/27/23 16:52*	*03/28/23 23:55*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/27/23 16:52*	*03/28/23 23:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.9**		0.75	0.47	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Barium	**72**		15	2.7	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Beryllium	**0.45**		0.30	0.082	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Cadmium	**0.13**	**J**	0.38	0.055	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Chromium	**12**		0.38	0.34	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Copper	**23**		1.9	1.1	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Lead	**11**		0.75	0.65	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Manganese	**380**		1.1	0.21	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Nickel	**21**		3.0	0.38	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1

Client Sample ID: SSHS-IRM5A2-A2C
Lab Sample ID: 180-154088-6

Date Collected: 03/23/23 16:15
Matrix: Solid

Date Received: 03/24/23 10:30
Percent Solids: 93.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.75	0.35	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Silver	ND		0.38	0.078	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1
Zinc	**51**		1.5	1.1	mg/Kg	☼	03/29/23 13:00	04/06/23 16:59	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/03/23 11:44	04/04/23 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.2**		0.1	0.1	%			03/27/23 17:05	1
Percent Solids (SM22 2540G)	**93.8**		0.1	0.1	%			03/27/23 17:05	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	04/04/23 15:01	04/07/23 13:23	1
Cyanide, Total (SW846 EPA 9014)	ND	^+	0.34	0.26	mg/Kg	☼	03/29/23 15:45	03/29/23 17:32	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-430663/13
Matrix: Solid
Analysis Batch: 430663

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/29/23 13:50	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/29/23 13:50	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/29/23 13:50	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/29/23 13:50	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/29/23 13:50	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/29/23 13:50	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/29/23 13:50	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/29/23 13:50	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/29/23 13:50	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/29/23 13:50	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/29/23 13:50	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/29/23 13:50	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/29/23 13:50	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/29/23 13:50	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/29/23 13:50	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/29/23 13:50	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/29/23 13:50	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/29/23 13:50	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/29/23 13:50	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/29/23 13:50	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/29/23 13:50	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/29/23 13:50	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/29/23 13:50	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/29/23 13:50	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/29/23 13:50	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/29/23 13:50	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/29/23 13:50	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/29/23 13:50	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/29/23 13:50	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/29/23 13:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*		*03/29/23 13:50*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*		*03/29/23 13:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*		*03/29/23 13:50*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*		*03/29/23 13:50*	*1*

Lab Sample ID: LCS 180-430663/9
Matrix: Solid
Analysis Batch: 430663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0400	0.0283		mg/Kg		71	23 - 170
Benzene	0.0400	0.0404		mg/Kg		101	77 - 120
2-Butanone (MEK)	0.0400	0.0272		mg/Kg		68	39 - 157
Carbon tetrachloride	0.0400	0.0510		mg/Kg		127	73 - 130
Chlorobenzene	0.0400	0.0453		mg/Kg		113	79 - 122
Chloroform	0.0400	0.0415		mg/Kg		104	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-430663/9
Matrix: Solid
Analysis Batch: 430663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0410		mg/Kg		102	77 - 118
1,2-Dichlorobenzene	0.0400	0.0472		mg/Kg		118	76 - 120
1,3-Dichlorobenzene	0.0400	0.0537	*+	mg/Kg		134	77 - 121
1,4-Dichlorobenzene	0.0400	0.0500	*+	mg/Kg		125	79 - 120
1,1-Dichloroethane	0.0400	0.0361		mg/Kg		90	73 - 124
1,2-Dichloroethane	0.0400	0.0316		mg/Kg		79	64 - 140
1,1-Dichloroethene	0.0400	0.0420		mg/Kg		105	55 - 136
1,4-Dioxane	0.800	0.690	J	mg/Kg		86	18 - 166
Ethylbenzene	0.0400	0.0477		mg/Kg		119	79 - 119
Methylene Chloride	0.0400	0.0376		mg/Kg		94	67 - 131
Methyl tert-butyl ether	0.0400	0.0283		mg/Kg		71	58 - 132
n-Butylbenzene	0.0400	0.0498		mg/Kg		125	64 - 136
N-Propylbenzene	0.0400	0.0524	*+	mg/Kg		131	71 - 127
sec-Butylbenzene	0.0400	0.0530	*+	mg/Kg		132	65 - 130
tert-Butylbenzene	0.0400	0.0574	*+	mg/Kg		144	69 - 133
Tetrachloroethene	0.0400	0.0594	*+	mg/Kg		149	71 - 121
Toluene	0.0400	0.0424		mg/Kg		106	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0419		mg/Kg		105	75 - 122
1,1,1-Trichloroethane	0.0400	0.0472		mg/Kg		118	72 - 134
Trichloroethene	0.0400	0.0540	*+	mg/Kg		135	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0499		mg/Kg		125	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0513		mg/Kg		128	69 - 131
Vinyl chloride	0.0400	0.0298		mg/Kg		74	64 - 134
Xylenes, Total	0.0800	0.0967	*+	mg/Kg		121	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: LCSD 180-430663/8
Matrix: Solid
Analysis Batch: 430663

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0400	0.0257		mg/Kg		64	23 - 170	9	35
Benzene	0.0400	0.0401		mg/Kg		100	77 - 120	1	20
2-Butanone (MEK)	0.0400	0.0261		mg/Kg		65	39 - 157	4	33
Carbon tetrachloride	0.0400	0.0513		mg/Kg		128	73 - 130	1	21
Chlorobenzene	0.0400	0.0450		mg/Kg		113	79 - 122	1	20
Chloroform	0.0400	0.0417		mg/Kg		104	73 - 126	1	20
cis-1,2-Dichloroethene	0.0400	0.0411		mg/Kg		103	77 - 118	0	20
1,2-Dichlorobenzene	0.0400	0.0478		mg/Kg		119	76 - 120	1	20
1,3-Dichlorobenzene	0.0400	0.0531	*+	mg/Kg		133	77 - 121	1	20
1,4-Dichlorobenzene	0.0400	0.0498	*+	mg/Kg		125	79 - 120	0	20
1,1-Dichloroethane	0.0400	0.0357		mg/Kg		89	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0325		mg/Kg		81	64 - 140	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-430663/8
Matrix: Solid
Analysis Batch: 430663

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0420		mg/Kg		105	55 - 136	0	21
1,4-Dioxane			0.800	0.773	J	mg/Kg		97	18 - 166	11	40
Ethylbenzene			0.0400	0.0479	*+	mg/Kg		120	79 - 119	0	20
Methylene Chloride			0.0400	0.0385		mg/Kg		96	67 - 131	2	32
Methyl tert-butyl ether			0.0400	0.0290		mg/Kg		73	58 - 132	3	24
n-Butylbenzene			0.0400	0.0495		mg/Kg		124	64 - 136	1	21
N-Propylbenzene			0.0400	0.0518	*+	mg/Kg		129	71 - 127	1	20
sec-Butylbenzene			0.0400	0.0523	*+	mg/Kg		131	65 - 130	1	20
tert-Butylbenzene			0.0400	0.0561	*+	mg/Kg		140	69 - 133	2	23
Tetrachloroethene			0.0400	0.0577	*+	mg/Kg		144	71 - 121	3	21
Toluene			0.0400	0.0422		mg/Kg		105	76 - 120	1	20
trans-1,2-Dichloroethene			0.0400	0.0414		mg/Kg		104	75 - 122	1	20
1,1,1-Trichloroethane			0.0400	0.0471		mg/Kg		118	72 - 134	0	20
Trichloroethene			0.0400	0.0530	*+	mg/Kg		133	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0496		mg/Kg		124	74 - 127	1	20
1,3,5-Trimethylbenzene			0.0400	0.0502		mg/Kg		126	69 - 131	2	20
Vinyl chloride			0.0400	0.0295		mg/Kg		74	64 - 134	1	23
Xylenes, Total			0.0800	0.0954	*+	mg/Kg		119	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-430752/1-A
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Anthracene	ND		0.0067	0.0017	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Chrysene	ND		0.0067	0.0037	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Fluorene	ND		0.0067	0.0013	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		03/29/23 17:02	03/30/23 11:28	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-430752/1-A
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Phenol	ND		0.033	0.010	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Pyrene	ND		0.0067	0.0016	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
Pyridine	ND		0.067	0.018	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		03/29/23 17:02	03/30/23 11:28	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		03/29/23 17:02	03/30/23 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*03/29/23 17:02*	*03/30/23 11:28*	*1*
2-Fluorophenol (Surr)	*79*		*32 - 105*	*03/29/23 17:02*	*03/30/23 11:28*	*1*
Nitrobenzene-d5 (Surr)	*92*		*34 - 109*	*03/29/23 17:02*	*03/30/23 11:28*	*1*
Phenol-d5 (Surr)	*71*		*34 - 105*	*03/29/23 17:02*	*03/30/23 11:28*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*03/29/23 17:02*	*03/30/23 11:28*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 119*	*03/29/23 17:02*	*03/30/23 11:28*	*1*

Lab Sample ID: LCS 180-430752/2-A
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.667	0.477		mg/Kg		72	41 - 100
Acenaphthylene	0.667	0.489		mg/Kg		73	45 - 100
Anthracene	0.667	0.497		mg/Kg		74	47 - 100
Benzo[a]anthracene	0.667	0.481		mg/Kg		72	47 - 100
Benzo[a]pyrene	0.667	0.502		mg/Kg		75	45 - 101
Benzo[b]fluoranthene	0.667	0.457		mg/Kg		69	44 - 100
Benzo[g,h,i]perylene	0.667	0.503		mg/Kg		75	45 - 103
Benzo[k]fluoranthene	0.667	0.492		mg/Kg		74	43 - 100
Chrysene	0.667	0.459		mg/Kg		69	44 - 100
Dibenz(a,h)anthracene	0.667	0.481		mg/Kg		72	46 - 107
Dibenzofuran	0.667	0.455		mg/Kg		68	47 - 100
2,4-Dinitrotoluene	0.667	0.507		mg/Kg		76	48 - 106
1,4-Dioxane	0.667	0.636		mg/Kg		95	10 - 133
Fluoranthene	0.667	0.511		mg/Kg		77	49 - 102
Fluorene	0.667	0.460		mg/Kg		69	46 - 100
Hexachlorobenzene	0.667	0.413		mg/Kg		62	45 - 101
Hexachlorobutadiene	0.667	0.473		mg/Kg		71	38 - 110
Hexachloroethane	0.667	0.497		mg/Kg		75	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.524		mg/Kg		79	48 - 104
2-Methylphenol	0.667	0.464		mg/Kg		70	43 - 101
Methylphenol, 3 & 4	0.667	0.452		mg/Kg		68	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-430752/2-A
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.667	0.476		mg/Kg		71	43 - 100		
Nitrobenzene			0.667	0.594		mg/Kg		89	43 - 107		
Pentachlorophenol			1.33	0.783		mg/Kg		59	34 - 112		
Phenanthrene			0.667	0.464		mg/Kg		70	46 - 100		
Phenol			0.667	0.480		mg/Kg		72	42 - 103		
Pyrene			0.667	0.497		mg/Kg		75	44 - 102		
Pyridine			1.33	1.21		mg/Kg		91	25 - 109		
2,4,5-Trichlorophenol			0.667	0.479		mg/Kg		72	47 - 108		
2,4,6-Trichlorophenol			0.667	0.483		mg/Kg		72	47 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*35 - 105*
2-Fluorophenol (Surr)	*79*		*32 - 105*
Nitrobenzene-d5 (Surr)	*91*		*34 - 109*
Phenol-d5 (Surr)	*72*		*34 - 105*
Terphenyl-d14 (Surr)	*71*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*

Lab Sample ID: 180-154088-3 MS
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: SSHS-IRM5A2-A1C
Prep Type: Total/NA
Prep Batch: 430752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		0.696	0.430		mg/Kg	☼	62	41 - 100		
Acenaphthylene	ND		0.696	0.425		mg/Kg	☼	61	45 - 100		
Anthracene	ND		0.696	0.440		mg/Kg	☼	63	47 - 100		
Benzo[a]anthracene	ND		0.696	0.448		mg/Kg	☼	64	47 - 100		
Benzo[a]pyrene	ND		0.696	0.437		mg/Kg	☼	63	45 - 101		
Benzo[b]fluoranthene	ND		0.696	0.395		mg/Kg	☼	57	44 - 100		
Benzo[g,h,i]perylene	ND		0.696	0.434		mg/Kg	☼	62	45 - 103		
Benzo[k]fluoranthene	ND		0.696	0.432		mg/Kg	☼	62	43 - 100		
Chrysene	ND		0.696	0.422		mg/Kg	☼	61	44 - 100		
Dibenz(a,h)anthracene	ND		0.696	0.425		mg/Kg	☼	61	46 - 107		
Dibenzofuran	ND		0.696	0.403		mg/Kg	☼	58	47 - 100		
2,4-Dinitrotoluene	ND		0.696	0.424		mg/Kg	☼	61	48 - 106		
1,4-Dioxane	ND		0.696	0.328		mg/Kg	☼	47	10 - 133		
Fluoranthene	ND		0.696	0.434		mg/Kg	☼	62	49 - 102		
Fluorene	ND		0.696	0.402		mg/Kg	☼	58	46 - 100		
Hexachlorobenzene	ND		0.696	0.369		mg/Kg	☼	53	45 - 101		
Hexachlorobutadiene	ND		0.696	0.398		mg/Kg	☼	57	38 - 110		
Hexachloroethane	ND		0.696	0.396		mg/Kg	☼	57	40 - 100		
Indeno[1,2,3-cd]pyrene	ND		0.696	0.478		mg/Kg	☼	69	48 - 104		
2-Methylphenol	ND		0.696	0.387		mg/Kg	☼	56	43 - 101		
Methylphenol, 3 & 4	ND		0.696	0.393		mg/Kg	☼	56	43 - 104		
Naphthalene	ND		0.696	0.404		mg/Kg	☼	58	43 - 100		
Nitrobenzene	ND		0.696	0.496		mg/Kg	☼	71	43 - 107		
Pentachlorophenol	ND	F1	1.39	0.416	F1	mg/Kg	☼	30	34 - 112		
Phenanthrene	0.0022	J	0.696	0.410		mg/Kg	☼	59	46 - 100		

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-154088-3 MS
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: SSHS-IRM5A2-A1C
Prep Type: Total/NA
Prep Batch: 430752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	ND		0.696	0.381		mg/Kg	☼	55	42 - 103
Pyrene	ND		0.696	0.458		mg/Kg	☼	66	44 - 102
Pyridine	ND		1.39	0.594		mg/Kg	☼	43	25 - 109
2,4,5-Trichlorophenol	ND		0.696	0.375		mg/Kg	☼	54	47 - 108
2,4,6-Trichlorophenol	ND		0.696	0.390		mg/Kg	☼	56	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*35 - 105*
2-Fluorophenol (Surr)	*89*		*32 - 105*
Nitrobenzene-d5 (Surr)	*102*		*34 - 109*
Phenol-d5 (Surr)	*82*		*34 - 105*
Terphenyl-d14 (Surr)	*87*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*71*		*20 - 119*

Lab Sample ID: 180-154088-3 MSD
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: SSHS-IRM5A2-A1C
Prep Type: Total/NA
Prep Batch: 430752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		0.719	0.463		mg/Kg	☼	64	41 - 100	7	22
Acenaphthylene	ND		0.719	0.458		mg/Kg	☼	64	45 - 100	7	23
Anthracene	ND		0.719	0.467		mg/Kg	☼	65	47 - 100	6	26
Benzo[a]anthracene	ND		0.719	0.464		mg/Kg	☼	65	47 - 100	4	24
Benzo[a]pyrene	ND		0.719	0.469		mg/Kg	☼	65	45 - 101	7	21
Benzo[b]fluoranthene	ND		0.719	0.419		mg/Kg	☼	58	44 - 100	6	26
Benzo[g,h,i]perylene	ND		0.719	0.460		mg/Kg	☼	64	45 - 103	6	22
Benzo[k]fluoranthene	ND		0.719	0.466		mg/Kg	☼	65	43 - 100	8	18
Chrysene	ND		0.719	0.409		mg/Kg	☼	57	44 - 100	3	26
Dibenz(a,h)anthracene	ND		0.719	0.467		mg/Kg	☼	65	46 - 107	9	24
Dibenzofuran	ND		0.719	0.442		mg/Kg	☼	61	47 - 100	9	19
2,4-Dinitrotoluene	ND		0.719	0.466		mg/Kg	☼	65	48 - 106	9	20
1,4-Dioxane	ND		0.719	0.334		mg/Kg	☼	47	10 - 133	2	40
Fluoranthene	ND		0.719	0.469		mg/Kg	☼	65	49 - 102	8	26
Fluorene	ND		0.719	0.443		mg/Kg	☼	62	46 - 100	10	22
Hexachlorobenzene	ND		0.719	0.402		mg/Kg	☼	56	45 - 101	8	27
Hexachlorobutadiene	ND		0.719	0.429		mg/Kg	☼	60	38 - 110	7	27
Hexachloroethane	ND		0.719	0.396		mg/Kg	☼	55	40 - 100	0	27
Indeno[1,2,3-cd]pyrene	ND		0.719	0.491		mg/Kg	☼	68	48 - 104	3	22
2-Methylphenol	ND		0.719	0.399		mg/Kg	☼	55	43 - 101	3	27
Methylphenol, 3 & 4	ND		0.719	0.402		mg/Kg	☼	56	43 - 104	2	24
Naphthalene	ND		0.719	0.433		mg/Kg	☼	60	43 - 100	7	28
Nitrobenzene	ND		0.719	0.555		mg/Kg	☼	77	43 - 107	11	28
Pentachlorophenol	ND	F1	1.44	0.448	F1	mg/Kg	☼	31	34 - 112	7	28
Phenanthrene	0.0022	J	0.719	0.447		mg/Kg	☼	62	46 - 100	9	27
Phenol	ND		0.719	0.388		mg/Kg	☼	54	42 - 103	2	30
Pyrene	ND		0.719	0.474		mg/Kg	☼	66	44 - 102	3	27
Pyridine	ND		1.44	0.579		mg/Kg	☼	40	25 - 109	3	31
2,4,5-Trichlorophenol	ND		0.719	0.428		mg/Kg	☼	59	47 - 108	13	19

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-154088-3 MSD
Matrix: Solid
Analysis Batch: 430784

Client Sample ID: SSHS-IRM5A2-A1C
Prep Type: Total/NA
Prep Batch: 430752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.719	0.446		mg/Kg	☼	62	47 - 108	13	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*35 - 105*
2-Fluorophenol (Surr)	*84*		*32 - 105*
Nitrobenzene-d5 (Surr)	*107*		*34 - 109*
Phenol-d5 (Surr)	*76*		*34 - 105*
Terphenyl-d14 (Surr)	*86*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-430492/1-A
Matrix: Solid
Analysis Batch: 430510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1221	ND		0.017	0.0059	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1232	ND		0.017	0.0041	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1242	ND		0.017	0.0024	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1248	ND		0.017	0.0040	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1254	ND		0.017	0.0050	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1260	ND		0.017	0.0047	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1262	ND		0.017	0.0059	mg/Kg		03/27/23 16:52	03/28/23 17:24	1
PCB-1268	ND		0.017	0.0022	mg/Kg		03/27/23 16:52	03/28/23 17:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*03/27/23 16:52*	*03/28/23 17:24*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/27/23 16:52*	*03/28/23 17:24*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*03/27/23 16:52*	*03/28/23 17:24*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/27/23 16:52*	*03/28/23 17:24*	*1*

Lab Sample ID: LCS 180-430492/2-A
Matrix: Solid
Analysis Batch: 430510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430492

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1.33	1.21		mg/Kg		91	43 - 136		
PCB-1260			1.33	1.47		mg/Kg		110	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-430722/1-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Barium	ND		20	3.6	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Beryllium	ND		0.40	0.11	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Cadmium	ND		0.50	0.073	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Chromium	ND		0.50	0.46	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Copper	ND		2.5	1.5	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Lead	ND		1.0	0.87	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Manganese	ND		1.5	0.28	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Nickel	ND		4.0	0.50	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Selenium	ND		1.0	0.46	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Silver	ND		0.50	0.10	mg/Kg		03/29/23 12:59	04/06/23 16:44	1
Zinc	ND		2.0	1.5	mg/Kg		03/29/23 12:59	04/06/23 16:44	1

Lab Sample ID: LCS 180-430722/2-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	108		mg/Kg		108	80 - 120
Barium	100	104		mg/Kg		104	80 - 120
Beryllium	50.0	51.9		mg/Kg		104	80 - 120
Cadmium	50.0	51.7		mg/Kg		103	80 - 120
Chromium	50.0	53.2		mg/Kg		106	80 - 120
Copper	50.0	53.2		mg/Kg		106	80 - 120
Lead	50.0	52.9		mg/Kg		106	80 - 120
Manganese	50.0	50.5		mg/Kg		101	80 - 120
Nickel	50.0	52.4		mg/Kg		105	80 - 120
Selenium	100	107		mg/Kg		107	80 - 120
Silver	25.0	26.6		mg/Kg		106	80 - 120
Zinc	25.0	26.3		mg/Kg		105	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-431130/1-A
Matrix: Solid
Analysis Batch: 431294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/03/23 11:44	04/04/23 12:45	1

Lab Sample ID: LCS 180-431130/2-A
Matrix: Solid
Analysis Batch: 431294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.440		mg/Kg		106	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-154088-6 DU
Matrix: Solid
Analysis Batch: 430493

Client Sample ID: SSHS-IRM5A2-A2C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.2		6.3		%		3	10
Percent Solids	93.8		93.7		%		0.2	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-431304/1-A
Matrix: Solid
Analysis Batch: 432052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		04/04/23 15:01	04/07/23 13:02	1

Lab Sample ID: LCSI 180-431304/3-A
Matrix: Solid
Analysis Batch: 432052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431304

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	708	694		mg/Kg		98	80 - 120

Lab Sample ID: LCSS 180-431304/2-A
Matrix: Solid
Analysis Batch: 432052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431304

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	20.0	21.9		mg/Kg		109	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-430738/4-A
Matrix: Solid
Analysis Batch: 430823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	^+	0.50	0.38	mg/Kg		03/29/23 15:45	03/29/23 17:17	1

Lab Sample ID: HLCS 180-430738/2-A
Matrix: Solid
Analysis Batch: 430823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430738

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.257	^+	mg/Kg		103	90 - 110

Lab Sample ID: LCS 180-430738/3-A
Matrix: Solid
Analysis Batch: 430823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	91.9	^+	mg/Kg		77	17 - 163

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LLCS 180-430738/1-A
Matrix: Solid
Analysis Batch: 430823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430738

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0493	^+	mg/Kg		99	90 - 110

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-1
Project/Site: Former Sperry Remington-Reuse

GC/MS VOA

Analysis Batch: 430663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-1	SSHS-IRM5A2-A1A	Total/NA	Solid	EPA 8260C	430728
180-154088-2	SSHS-IRM5A2-A1B	Total/NA	Solid	EPA 8260C	430728
180-154088-4	SSHS-IRM5A2-A2A	Total/NA	Solid	EPA 8260C	430728
180-154088-5	SSHS-IRM5A2-A2B	Total/NA	Solid	EPA 8260C	430728
MB 180-430663/13	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-430663/9	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-430663/8	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 430728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-1	SSHS-IRM5A2-A1A	Total/NA	Solid	5035	
180-154088-2	SSHS-IRM5A2-A1B	Total/NA	Solid	5035	
180-154088-4	SSHS-IRM5A2-A2A	Total/NA	Solid	5035	
180-154088-5	SSHS-IRM5A2-A2B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 430752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	3541	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	3541	
MB 180-430752/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-430752/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154088-3 MS	SSHS-IRM5A2-A1C	Total/NA	Solid	3541	
180-154088-3 MSD	SSHS-IRM5A2-A1C	Total/NA	Solid	3541	

Analysis Batch: 430784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 8270D LL	430752
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	EPA 8270D LL	430752
MB 180-430752/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	430752
LCS 180-430752/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	430752
180-154088-3 MS	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 8270D LL	430752
180-154088-3 MSD	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 8270D LL	430752

GC Semi VOA

Prep Batch: 430492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	3541	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	3541	
MB 180-430492/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-430492/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 430504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	3665A	430492
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	3665A	430492

Cleanup Batch: 430505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	3660B	430504

GC Semi VOA (Continued)

Cleanup Batch: 430505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	3660B	430504

Analysis Batch: 430510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 8082A	430505
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	EPA 8082A	430505
MB 180-430492/1-A	Method Blank	Total/NA	Solid	EPA 8082A	430492
LCS 180-430492/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	430492

Metals

Prep Batch: 430722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	3050B	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	3050B	
MB 180-430722/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-430722/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 431130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	7471B	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	7471B	
MB 180-431130/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-431130/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 431294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 7471B	431130
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	EPA 7471B	431130
MB 180-431130/1-A	Method Blank	Total/NA	Solid	EPA 7471B	431130
LCS 180-431130/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	431130

Analysis Batch: 431651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 6010C	430722
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	EPA 6010C	430722
MB 180-430722/1-A	Method Blank	Total/NA	Solid	EPA 6010C	430722
LCS 180-430722/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	430722

General Chemistry

Analysis Batch: 430493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-1	SSHS-IRM5A2-A1A	Total/NA	Solid	2540G	
180-154088-2	SSHS-IRM5A2-A1B	Total/NA	Solid	2540G	
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	2540G	
180-154088-4	SSHS-IRM5A2-A2A	Total/NA	Solid	2540G	
180-154088-5	SSHS-IRM5A2-A2B	Total/NA	Solid	2540G	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	2540G	
180-154088-6 DU	SSHS-IRM5A2-A2C	Total/NA	Solid	2540G	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154088-1
Project/Site: Former Sperry Remington-Reuse

General Chemistry

Prep Batch: 430738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	9010C	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	9010C	
MB 180-430738/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-430738/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-430738/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-430738/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 430823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 9014	430738
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	EPA 9014	430738
MB 180-430738/4-A	Method Blank	Total/NA	Solid	EPA 9014	430738
HLCS 180-430738/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	430738
LCS 180-430738/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	430738
LLCS 180-430738/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	430738

Prep Batch: 431304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	3060A	
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	3060A	
MB 180-431304/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-431304/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-431304/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 432052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154088-3	SSHS-IRM5A2-A1C	Total/NA	Solid	EPA 7196A	431304
180-154088-6	SSHS-IRM5A2-A2C	Total/NA	Solid	EPA 7196A	431304
MB 180-431304/1-A	Method Blank	Total/NA	Solid	EPA 7196A	431304
LCSI 180-431304/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	431304
LCSS 180-431304/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	431304

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A1A	3/23/23	1610	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1B	3/23/23	1610	G	Solid	N	N	X													4	
SSHS-IRM5A2-A1C	3/23/23	1610	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A2A	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2B	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2C	3/23/23	1615	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-154088 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Colin	Date/Time: 3/23/23	Company	Received by:	Date/Time: 3/24/23 10:30	Company EP.ITNG
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 10 Day
State, Zip: MD, 21044	
Phone:	PO #: MN0832
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site-	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A1A	3/23/23	1610	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A1B	3/23/23	1610	G	Solid	N	N	X													4	
SSHS-IRM5A2-A1C	3/23/23	1610	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A2A	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2B	3/23/23	1615	G	Solid	N	N	X													4	
SSHS-IRM5A2-A2C	3/23/23	1615	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-154088 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/23/23	Company	Received by:	Date/Time: 3-24-23 0920	Company EEBE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.0°C

Ver: 01/16/2019

4/17/2023

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Sacramento Sample Receiving Notes

180-154088 Field Sheet

Tracking # : 7716 1629 6355

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice ~ Wet _____ Gel _____ Other _____

Cooler Custody Seal: ~

Cooler ID: ~

Temp Observed: 5.0 °C Corrected: 5.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/24/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

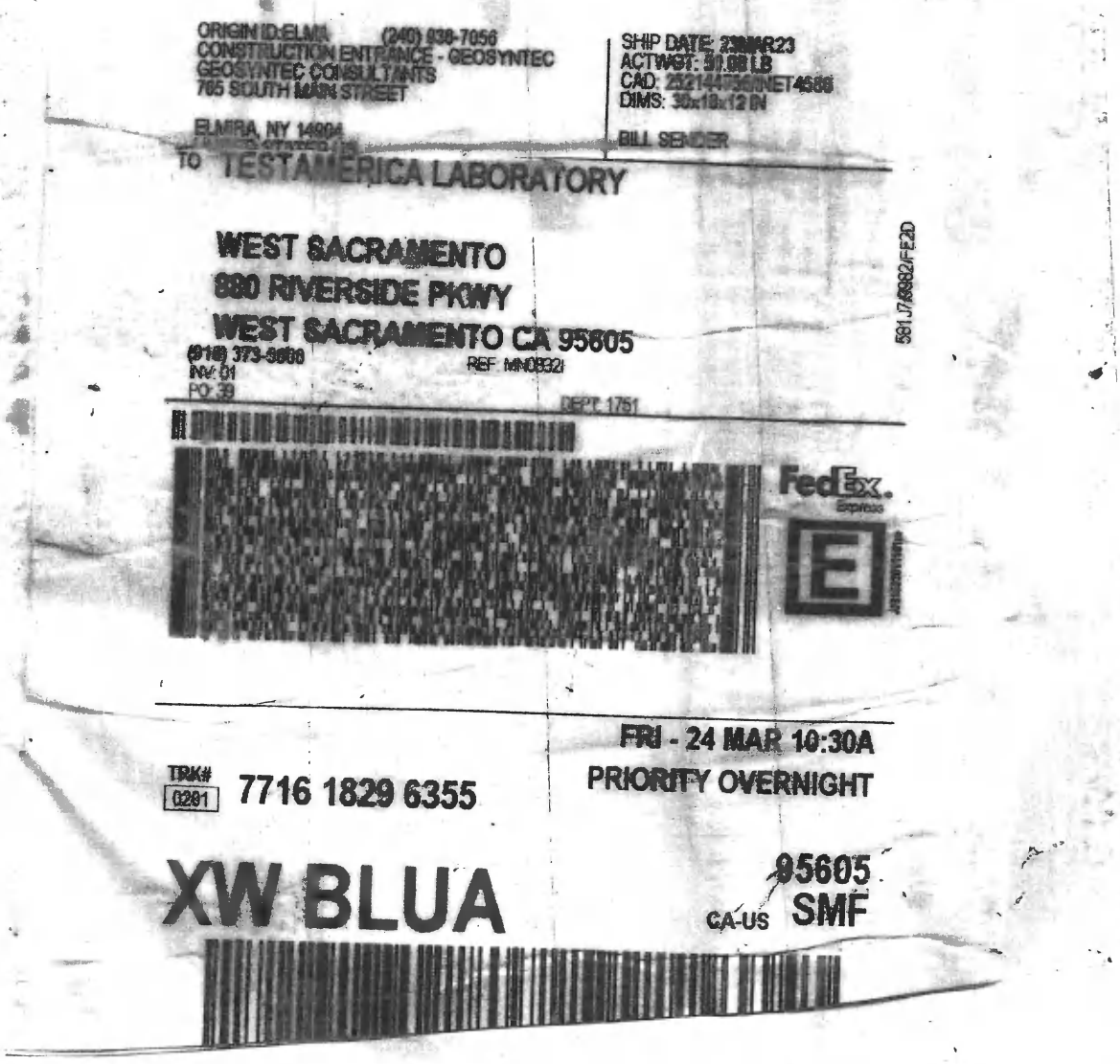
Initials: SD Date: 3-24-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 3-24-23


ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
785 SOUTH MAIN STREET
ELMIRA, NY 14904
SHIP DATE: 23MAR23
ACTWGT: 50.00 LB
CAD: 252144736/INET4586
DIMS: 30x18x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
REF: MN0332
INV: 01
PO: 39
DEPT: 1751
591J7/8932/FE2D
FedEx Express
FRI - 24 MAR 10:30A
PRIORITY OVERNIGHT
TRK# 0201 7716 1829 6355
XW BLUA
95605
CA-US SMF

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154088-1

Login Number: 154088
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 4/20/2023 5:13:10 PM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-154712-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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4/20/2023 5:13:10 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-154712-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154712-2

Receipt
The samples were received on 4/7/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.2º C, 2.6º C, 3.8º C, 3.9º C, 4.0º C and 5.3º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154712-2
Project/Site: Former Sperry Remington-Reuse

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154712-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154712-2
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154712-3	SSHS-IRM5A2-A8C	Solid	04/06/23 13:20	04/07/23 09:25
180-154712-6	SSHS-IRM5A2-DUP1C	Solid	04/06/23 00:00	04/07/23 09:25
180-154712-9	SSHS-IRM5A2-A9C	Solid	04/06/23 13:25	04/07/23 09:25

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-2

Client Sample ID: SSHS-IRM5A2-A8C

Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.34 g	10.0 mL	666500	04/09/23 19:59	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	667056	04/12/23 15:18	JRB	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-DUP1C

Lab Sample ID: 180-154712-6
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.00 g	10.0 mL	666500	04/09/23 19:59	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	666723	04/10/23 23:29	K1S	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-A9C

Lab Sample ID: 180-154712-9
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	666500	04/09/23 19:59	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	666723	04/10/23 23:39	K1S	EET SAC
	Instrument ID: A24									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

JRB = John Barnett

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-2

Client Sample ID: SSHS-IRM5A2-A8C
Date Collected: 04/06/23 13:20
Date Received: 04/07/23 09:25

Lab Sample ID: 180-154712-3
Matrix: Solid
Percent Solids: 93.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorohexanesulfonic acid (PFHxS)	**0.22**		0.20	0.029	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorooctanesulfonic acid (PFOS)	**0.15**	**J**	0.20	0.043	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
6:2 FTS	**9.1**		0.20	0.027	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	04/09/23 19:59	04/12/23 15:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*51*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C5 PFPeA	*81*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C2 PFHxA	*85*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C4 PFHpA	*88*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C4 PFOA	*87*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C5 PFNA	*95*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C2 PFDA	*99*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C2 PFUnA	*95*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C2 PFDoA	*102*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C3 PFBS	*65*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
18O2 PFHxS	*67*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C4 PFOS	*71*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
13C8 FOSA	*91*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
d3-NMeFOSAA	*73*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
M2-6:2 FTS	*46*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*04/09/23 19:59*	*04/12/23 15:18*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154712-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-DUP1C
Lab Sample ID: 180-154712-6

Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorohexanoic acid (PFHxA)	**0.068**	**J**	0.22	0.034	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorohexanesulfonic acid (PFHxS)	**0.27**		0.22	0.031	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**		0.22	0.046	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
6:2 FTS	**11**		0.22	0.029	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	04/09/23 19:59	04/10/23 23:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*47*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C5 PFPeA	*91*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C2 PFHxA	*85*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C4 PFHpA	*86*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C4 PFOA	*86*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C5 PFNA	*99*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C2 PFDA	*95*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C2 PFUnA	*96*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C2 PFDoA	*98*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C3 PFBS	*68*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
18O2 PFHxS	*76*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C4 PFOS	*72*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
13C8 FOSA	*90*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
M2-6:2 FTS	*54*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*
M2-8:2 FTS	*65*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:29*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154712-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A9C
Lab Sample ID: 180-154712-9
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorohexanoic acid (PFHxA)	**0.043**	**J**	0.21	0.032	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorohexanesulfonic acid (PFHxS)	**0.098**	**J**	0.21	0.030	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorooctanesulfonic acid (PFOS)	**0.093**	**J**	0.21	0.044	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
6:2 FTS	**3.4**		0.21	0.028	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	04/09/23 19:59	04/10/23 23:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*59*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C5 PFPeA	*82*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C2 PFHxA	*84*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C4 PFHpA	*79*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C4 PFOA	*81*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C5 PFNA	*91*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C2 PFDA	*82*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C2 PFUnA	*85*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C2 PFDoA	*94*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C3 PFBS	*65*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
18O2 PFHxS	*60*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C4 PFOS	*66*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
13C8 FOSA	*86*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
M2-6:2 FTS	*52*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*
M2-8:2 FTS	*53*		*25 - 150*	*04/09/23 19:59*	*04/10/23 23:39*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-666500/1-A
Matrix: Solid
Analysis Batch: 666723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
6:2 FTS	ND		0.20	0.027	ug/Kg		04/09/23 19:59	04/10/23 22:48	1
8:2 FTS	ND		0.20	0.035	ug/Kg		04/09/23 19:59	04/10/23 22:48	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*47*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C5 PFPeA	*78*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C2 PFHxA	*84*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C4 PFHpA	*79*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C4 PFOA	*80*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C5 PFNA	*83*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C2 PFDA	*75*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C2 PFUnA	*78*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C2 PFDoA	*91*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C3 PFBS	*74*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
18O2 PFHxS	*83*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C4 PFOS	*81*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
13C8 FOSA	*88*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
M2-6:2 FTS	*60*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*04/09/23 19:59*	*04/10/23 22:48*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-666500/2-A
Matrix: Solid
Analysis Batch: 666723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.88		ug/Kg		94	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.18		ug/Kg		109	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.84		ug/Kg		92	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.20		ug/Kg		110	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.93		ug/Kg		96	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.18		ug/Kg		109	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.20		ug/Kg		110	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.21		ug/Kg		110	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.95		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.99		ug/Kg		100	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.78		ug/Kg		100	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.68		ug/Kg		92	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.94		ug/Kg		102	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.86		ug/Kg		100	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.89		ug/Kg		98	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.14		ug/Kg		107	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.15		ug/Kg		108	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.03		ug/Kg		102	72 - 132
6:2 FTS	1.90	1.69		ug/Kg		89	73 - 139
8:2 FTS	1.92	1.83		ug/Kg		95	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*59*		*25 - 150*
13C5 PFPeA	*84*		*25 - 150*
13C2 PFHxA	*85*		*25 - 150*
13C4 PFHpA	*82*		*25 - 150*
13C4 PFOA	*91*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*97*		*25 - 150*
13C2 PFUnA	*94*		*25 - 150*
13C2 PFDoA	*101*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*88*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*88*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*96*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-666500/2-A
Matrix: Solid
Analysis Batch: 666723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666500

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	76		25 - 150
M2-8:2 FTS	82		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154712-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 666500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	SHAKE	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	SHAKE	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	SHAKE	
MB 320-666500/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-666500/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 666723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	537 (modified)	666500
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	537 (modified)	666500
MB 320-666500/1-A	Method Blank	Total/NA	Solid	537 (modified)	666500
LCS 320-666500/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	666500

Analysis Batch: 667056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	537 (modified)	666500

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	

180-154712 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Containers	Special Instructions/Note
Preservation Code:							FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A8A	4/6/23	1320	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A8B	4/6/23	1320	G	Solid	N	N	X										4	
SSHS-IRM5A2-A8C	4/6/23	1320	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-DUP1A	4/6/23	-	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP1B	4/6/23	-	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP1C	4/6/23	-	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A9A	4/6/23	1325	G	Solid	N	N	X										4	
SSHS-IRM5A2-A9B	4/6/23	1325	G	Solid	N	N	X										4	
SSHS-IRM5A2-A9C	4/6/23	1325	C	Solid	N	N		X		X		X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda	4/6/23 1700			4/7/23 0925	CTA DTH
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

180-154712 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A8A	4/6/23	1320	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A8B	4/6/23	1320	G	Solid	N	N	X													4	
SSHS-IRM5A2-A8C	4/6/23	1320	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-DUP1A	4/6/23	-	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP1B	4/6/23	-	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP1C	4/6/23	-	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A9A	4/6/23	1325	G	Solid	N	N	X													4	
SSHS-IRM5A2-A9B	4/6/23	1325	G	Solid	N	N	X													4	
SSHS-IRM5A2-A9C	4/6/23	1325	C	Solid	N	N		X		X		X	X	X	X	X				6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Mrau	Date/Time: 4/6/23 1700	Company	Received by:	Date/Time: 4/7/23 1000	Company: EET Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 117657 | Cooler Temperature(s) °C and Other Remarks: 1.2

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154712 Field Sheet

Job: _____

Tracking # : 7717 4388 6159

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 410 Corr. Factor: (+ / -) _____ °C

Ice — Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1117637

Cooler ID: _____

Temp Observed: 1.2 °C Corrected: 1.2 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 4/7/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [illegible] Date: 4.7.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 4.7.23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154712-2

Login Number: 154712
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 4/25/2023 5:37:30 PM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-154190-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-154190-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154190-1

Receipt
The samples were received on 3/28/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4º C and 4.3º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 for the following sample was above the control limits: SSHS-IRM5A2-A7B (180-154190-14). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A3C (180-154190-3) had the recoveries of Pentachlorophenol below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: SSHS-IRM5A2-A3C (180-154190-3). All analytes referencing the yttrium internal standards required dilution due to the yttrium internal standard counts above the 70%-130% control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154190-1	SSHS-IRM5A2-A3A	Solid	03/27/23 14:00	03/28/23 10:34
180-154190-2	SSHS-IRM5A2-A3B	Solid	03/27/23 14:00	03/28/23 10:34
180-154190-3	SSHS-IRM5A2-A3C	Solid	03/27/23 14:00	03/28/23 10:34
180-154190-4	SSHS-IRM5A2-A4A	Solid	03/27/23 14:05	03/28/23 10:34
180-154190-5	SSHS-IRM5A2-A4B	Solid	03/27/23 14:05	03/28/23 10:34
180-154190-6	SSHS-IRM5A2-A4C	Solid	03/27/23 14:05	03/28/23 10:34
180-154190-7	SSHS-IRM5A2-A5A	Solid	03/27/23 14:10	03/28/23 10:34
180-154190-8	SSHS-IRM5A2-A5B	Solid	03/27/23 14:10	03/28/23 10:34
180-154190-9	SSHS-IRM5A2-A5C	Solid	03/27/23 14:10	03/28/23 10:34
180-154190-10	SSHS-IRM5A2-A6A	Solid	03/27/23 14:15	03/28/23 10:34
180-154190-11	SSHS-IRM5A2-A6B	Solid	03/27/23 14:15	03/28/23 10:34
180-154190-12	SSHS-IRM5A2-A6C	Solid	03/27/23 14:15	03/28/23 10:34
180-154190-13	SSHS-IRM5A2-A7A	Solid	03/27/23 14:20	03/28/23 10:34
180-154190-14	SSHS-IRM5A2-A7B	Solid	03/27/23 14:20	03/28/23 10:34
180-154190-15	SSHS-IRM5A2-A7C	Solid	03/27/23 14:20	03/28/23 10:34

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Client Sample ID: SSHS-IRM5A2-A3A
Lab Sample ID: 180-154190-1
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A3A
Lab Sample ID: 180-154190-1
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0032 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 12:23	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A3B
Lab Sample ID: 180-154190-2
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A3B
Lab Sample ID: 180-154190-2
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 12:46	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	430754	03/29/23 17:27	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430827	03/30/23 14:24	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430630	03/28/23 17:00	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430644	03/29/23 04:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430645	03/29/23 04:05	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	430779	03/30/23 10:03	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.67 g	50 mL	431235	04/04/23 09:10	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 17:55	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	431235	04/04/23 09:10	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433149	04/21/23 11:30	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432406	04/17/23 09:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 14:44	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.54 g	100 mL	432106	04/12/23 14:54	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432438	04/15/23 14:36	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.34 g	10 mL	431628	04/06/23 19:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			431681	04/06/23 21:01	CMR	EET PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A4A
Lab Sample ID: 180-154190-4
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A4A
Lab Sample ID: 180-154190-4
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0034 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 13:08	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A4B
Lab Sample ID: 180-154190-5
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A4B
Lab Sample ID: 180-154190-5
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0645 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 13:31	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A4C
Lab Sample ID: 180-154190-6
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A4C
Lab Sample ID: 180-154190-6
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	430754	03/29/23 17:27	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430827	03/30/23 15:29	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	430630	03/28/23 17:00	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430644	03/29/23 04:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430645	03/29/23 04:05	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	430779	03/30/23 10:22	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.71 g	50 mL	431235	04/04/23 09:10	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 18:10	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432406	04/17/23 09:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 14:47	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.50 g	100 mL	432106	04/12/23 14:54	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432438	04/15/23 14:37	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.44 g	10 mL	431628	04/06/23 19:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			431681	04/06/23 21:03	CMR	EET PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A5A
Lab Sample ID: 180-154190-7
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A5A
Lab Sample ID: 180-154190-7
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6623 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 13:54	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A5B
Lab Sample ID: 180-154190-8
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A5B
Lab Sample ID: 180-154190-8
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4262 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 14:16	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A5C
Lab Sample ID: 180-154190-9
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A5C
Lab Sample ID: 180-154190-9
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	430754	03/29/23 17:27	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430827	03/30/23 15:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	430630	03/28/23 17:00	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430644	03/29/23 04:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430645	03/29/23 04:05	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	430779	03/30/23 10:41	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.68 g	50 mL	431235	04/04/23 09:10	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 18:16	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A5C
Lab Sample ID: 180-154190-9
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	100 mL	432406	04/17/23 09:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 14:48	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	432106	04/12/23 14:54	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432438	04/15/23 14:38	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.32 g	10 mL	431628	04/06/23 19:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			431681	04/06/23 21:04	CMR	EET PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A6A
Lab Sample ID: 180-154190-10
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A6A
Lab Sample ID: 180-154190-10
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 14:39	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A6B
Lab Sample ID: 180-154190-11
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A6B
Lab Sample ID: 180-154190-11
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 15:02	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Client Sample ID: SSHS-IRM5A2-A6C
Date Collected: 03/27/23 14:15
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A6C
Date Collected: 03/27/23 14:15
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-12
Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	430754	03/29/23 17:27	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430827	03/30/23 16:13	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	430630	03/28/23 17:00	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430644	03/29/23 04:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430645	03/29/23 04:05	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	430779	03/30/23 10:59	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.14 g	50 mL	431235	04/04/23 09:10	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 18:21	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432406	04/17/23 09:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 14:49	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	432106	04/12/23 14:54	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432438	04/15/23 14:39	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.24 g	10 mL	431628	04/06/23 19:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			431681	04/06/23 21:06	CMR	EET PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A7A
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A7A
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-13
Matrix: Solid
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3465 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 15:24	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A7B
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A7B
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-14
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7625 g	5 mL	431032	03/31/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	430956	03/31/23 15:47	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A7C
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430734	03/29/23 14:21	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A7C
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-15
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	430754	03/29/23 17:27	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	430827	03/30/23 16:34	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	430630	03/28/23 17:00	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430644	03/29/23 04:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430645	03/29/23 04:05	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	430779	03/30/23 11:18	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.88 g	50 mL	431119	04/03/23 11:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432570	04/17/23 14:56	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	432406	04/17/23 09:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 14:50	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.48 g	100 mL	432106	04/12/23 14:54	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	432438	04/15/23 14:40	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.42 g	10 mL	431628	04/06/23 19:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			431681	04/06/23 21:08	CMR	EET PIT
	Instrument ID: SEAL2									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - BAC = Blase Cindric
  - CMR = Carl Reagle
  - JBP = Jack Prothero
  - JSM = Joseph Moore
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
- Batch Type: Analysis
  - BAB = Brooke Batyi
  - BAC = Blase Cindric
  - CMR = Carl Reagle
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - RJG = Rob Good
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A3A

Lab Sample ID: 180-154190-1

Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/31/23 07:18	03/31/23 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*03/31/23 07:18*	*03/31/23 12:23*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*03/31/23 07:18*	*03/31/23 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*	*03/31/23 07:18*	*03/31/23 12:23*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*03/31/23 07:18*	*03/31/23 12:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.4**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**96.6**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A3B

Lab Sample ID: 180-154190-2

Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1

Client Sample ID: SSHS-IRM5A2-A3B
Lab Sample ID: 180-154190-2
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,4-Dichlorobenzene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	03/31/23 07:18	03/31/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*03/31/23 07:18*	*03/31/23 12:46*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*03/31/23 07:18*	*03/31/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*03/31/23 07:18*	*03/31/23 12:46*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*03/31/23 07:18*	*03/31/23 12:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.7**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**96.3**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Benzo[a]anthracene	ND		0.0070	0.0032	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Fluoranthene	ND		0.0070	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Pentachlorophenol	ND	F1	0.18	0.056	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Pyrene	ND		0.0070	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*03/29/23 17:27*	*03/30/23 14:24*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*03/29/23 17:27*	*03/30/23 14:24*	*1*
Nitrobenzene-d5 (Surr)	*84*		*34 - 109*	*03/29/23 17:27*	*03/30/23 14:24*	*1*
Phenol-d5 (Surr)	*74*		*34 - 105*	*03/29/23 17:27*	*03/30/23 14:24*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*03/29/23 17:27*	*03/30/23 14:24*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*20 - 119*	*03/29/23 17:27*	*03/30/23 14:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1248	ND		0.017	0.0041	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/28/23 17:00	03/30/23 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:03*	*1*
DCB Decachlorobiphenyl (Surr)	*126*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:03*	*1*

Client Sample ID: SSHS-IRM5A2-A3C
Lab Sample ID: 180-154190-3
Date Collected: 03/27/23 14:00
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:03*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:03*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		3.9	2.4	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Barium	**63**	**J**	78	14	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Beryllium	ND		1.6	0.43	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Cadmium	**0.44**	**J**	2.0	0.29	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Chromium	**8.2**		2.0	1.8	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Copper	**14**		9.8	5.9	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Lead	**17**		0.78	0.68	mg/Kg	☼	04/04/23 09:10	04/06/23 17:55	1
Manganese	**460**		5.9	1.1	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Nickel	**15**		3.1	0.39	mg/Kg	☼	04/04/23 09:10	04/06/23 17:55	1
Selenium	ND		3.9	1.8	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Silver	ND		2.0	0.41	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5
Zinc	**43**		7.8	5.7	mg/Kg	☼	04/04/23 09:10	04/21/23 11:30	5

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 09:45	04/18/23 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.5**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**95.5**		0.1	0.1	%			03/29/23 14:21	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.41	0.22	mg/Kg	☼	04/12/23 14:54	04/15/23 14:36	1
Cyanide, Total (SW846 EPA 9014)	ND		0.31	0.23	mg/Kg	☼	04/06/23 19:00	04/06/23 21:01	1

Client Sample ID: SSHS-IRM5A2-A4A
Lab Sample ID: 180-154190-4
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1

Client Sample ID: SSHS-IRM5A2-A4A
Lab Sample ID: 180-154190-4

Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	03/31/23 07:18	03/31/23 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*03/31/23 07:18*	*03/31/23 13:08*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*03/31/23 07:18*	*03/31/23 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*03/31/23 07:18*	*03/31/23 13:08*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*03/31/23 07:18*	*03/31/23 13:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.0**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**95.0**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A4B
Lab Sample ID: 180-154190-5

Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A4B
Lab Sample ID: 180-154190-5

Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	03/31/23 07:18	03/31/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*03/31/23 07:18*	*03/31/23 13:31*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*03/31/23 07:18*	*03/31/23 13:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*03/31/23 07:18*	*03/31/23 13:31*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*03/31/23 07:18*	*03/31/23 13:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.2**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**93.8**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A4C
Lab Sample ID: 180-154190-6

Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.6

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Acenaphthylene	ND		0.0071	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1

Client Sample ID: SSHS-IRM5A2-A4C
Date Collected: 03/27/23 14:05
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-6
Matrix: Solid
Percent Solids: 94.6

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*03/29/23 17:27*	*03/30/23 15:29*	*1*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*03/29/23 17:27*	*03/30/23 15:29*	*1*
Nitrobenzene-d5 (Surr)	*81*		*34 - 109*	*03/29/23 17:27*	*03/30/23 15:29*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*03/29/23 17:27*	*03/30/23 15:29*	*1*
Terphenyl-d14 (Surr)	*77*		*20 - 117*	*03/29/23 17:27*	*03/30/23 15:29*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*20 - 119*	*03/29/23 17:27*	*03/30/23 15:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1248	ND		0.017	0.0042	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	03/28/23 17:00	03/30/23 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:22*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:22*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:22*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		0.74	0.47	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Barium	**75**		15	2.7	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Beryllium	**0.40**		0.30	0.081	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Cadmium	**0.15**	**J**	0.37	0.055	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Chromium	**11**		0.37	0.34	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Copper	**25**		1.9	1.1	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Lead	**16**		0.74	0.65	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Manganese	**500**		1.1	0.21	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Nickel	**20**		3.0	0.38	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1

Client Sample ID: SSHS-IRM5A2-A4C

Lab Sample ID: 180-154190-6
Date Collected: 03/27/23 14:05
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.74	0.34	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Silver	ND		0.37	0.077	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1
Zinc	**55**		1.5	1.1	mg/Kg	☼	04/04/23 09:10	04/06/23 18:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 09:45	04/18/23 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.4**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**94.6**		0.1	0.1	%			03/29/23 14:21	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.42	0.23	mg/Kg	☼	04/12/23 14:54	04/15/23 14:37	1
Cyanide, Total (SW846 EPA 9014)	ND		0.24	0.18	mg/Kg	☼	04/06/23 19:00	04/06/23 21:03	1

Client Sample ID: SSHS-IRM5A2-A5A

Lab Sample ID: 180-154190-7
Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.018**		0.018	0.0035	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Benzene	ND		0.0045	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
2-Butanone (MEK)	**0.0024**	**J**	0.0045	0.0023	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Carbon tetrachloride	ND		0.0045	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Chlorobenzene	ND		0.0045	0.0012	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Chloroform	ND		0.0045	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
cis-1,2-Dichloroethene	ND		0.0045	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,2-Dichlorobenzene	ND		0.0045	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,3-Dichlorobenzene	ND		0.0045	0.0028	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,4-Dichlorobenzene	ND		0.0045	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,1-Dichloroethane	ND		0.0045	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,2-Dichloroethane	ND		0.0045	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,1-Dichloroethene	ND		0.0045	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,4-Dioxane	ND		0.90	0.032	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Ethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Methylene Chloride	ND		0.0045	0.0040	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Methyl tert-butyl ether	ND		0.0045	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
n-Butylbenzene	ND		0.0045	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
N-Propylbenzene	ND		0.0045	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
sec-Butylbenzene	ND		0.0045	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
tert-Butylbenzene	ND		0.0045	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Tetrachloroethene	ND		0.0045	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Toluene	**0.0018**	**J**	0.0045	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
trans-1,2-Dichloroethene	ND		0.0045	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,1,1-Trichloroethane	ND		0.0045	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Trichloroethene	ND		0.0045	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,2,4-Trimethylbenzene	ND		0.0045	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
1,3,5-Trimethylbenzene	ND		0.0045	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1
Vinyl chloride	ND		0.0045	0.0032	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1

Client Sample ID: SSHS-IRM5A2-A5A
Lab Sample ID: 180-154190-7

Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0090	0.0065	mg/Kg	☼	03/31/23 07:18	03/31/23 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*03/31/23 07:18*	*03/31/23 13:54*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*03/31/23 07:18*	*03/31/23 13:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*03/31/23 07:18*	*03/31/23 13:54*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*03/31/23 07:18*	*03/31/23 13:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.4**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**98.6**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A5B
Lab Sample ID: 180-154190-8

Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Benzene	ND		0.0048	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
2-Butanone (MEK)	ND		0.0048	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Carbon tetrachloride	ND		0.0048	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Chlorobenzene	ND		0.0048	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Chloroform	ND		0.0048	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
cis-1,2-Dichloroethene	ND		0.0048	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,3-Dichlorobenzene	ND		0.0048	0.0030	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,4-Dioxane	ND		0.96	0.034	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Vinyl chloride	ND		0.0048	0.0035	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1
Xylenes, Total	ND		0.0096	0.0070	mg/Kg	☼	03/31/23 07:18	03/31/23 14:16	1

Client Sample ID: SSHS-IRM5A2-A5B
Lab Sample ID: 180-154190-8

Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*03/31/23 07:18*	*03/31/23 14:16*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*03/31/23 07:18*	*03/31/23 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*03/31/23 07:18*	*03/31/23 14:16*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*03/31/23 07:18*	*03/31/23 14:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.4**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**95.6**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A5C
Lab Sample ID: 180-154190-9

Date Collected: 03/27/23 14:10
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.3

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0069	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Acenaphthylene	ND		0.0069	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Anthracene	ND		0.0069	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Benzo[a]anthracene	ND		0.0069	0.0031	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Benzo[a]pyrene	ND		0.0069	0.0030	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Benzo[b]fluoranthene	**0.0021**	**J**	0.0069	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Benzo[g,h,i]perylene	ND		0.0069	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Benzo[k]fluoranthene	ND		0.0069	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Chrysene	ND		0.0069	0.0038	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Dibenz(a,h)anthracene	ND		0.0069	0.0044	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Fluoranthene	**0.0031**	**J**	0.0069	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Fluorene	ND		0.0069	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Hexachlorobenzene	ND		0.0069	0.0025	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Hexachlorobutadiene	ND		0.0069	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Indeno[1,2,3-cd]pyrene	ND		0.0069	0.0034	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Naphthalene	ND		0.0069	0.0013	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Pentachlorophenol	ND		0.18	0.055	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Phenanthrene	ND		0.0069	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Phenol	ND		0.034	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Pyrene	**0.0032**	**J**	0.0069	0.0016	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
Pyridine	ND		0.069	0.019	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*03/29/23 17:27*	*03/30/23 15:51*	*1*
2-Fluorophenol (Surr)	*58*		*32 - 105*	*03/29/23 17:27*	*03/30/23 15:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*03/29/23 17:27*	*03/30/23 15:51*	*1*

Client Sample ID: SSHS-IRM5A2-A5C
Lab Sample ID: 180-154190-9

Date Collected: 03/27/23 14:10
Matrix: Solid

Date Received: 03/28/23 10:34
Percent Solids: 94.3

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*70*		*34 - 105*	*03/29/23 17:27*	*03/30/23 15:51*	*1*
Terphenyl-d14 (Surr)	*68*		*20 - 117*	*03/29/23 17:27*	*03/30/23 15:51*	*1*
2,4,6-Tribromophenol (Surr)	*41*		*20 - 119*	*03/29/23 17:27*	*03/30/23 15:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0057	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1221	ND		0.018	0.0062	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1248	ND		0.018	0.0042	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/28/23 17:00	03/30/23 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:41*	*1*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:41*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:41*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:41*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		0.78	0.49	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Barium	**79**		16	2.8	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Beryllium	**0.41**		0.31	0.085	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Cadmium	**0.14**	**J**	0.39	0.057	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Chromium	**13**		0.39	0.35	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Copper	**17**		1.9	1.2	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Lead	**15**		0.78	0.68	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Manganese	**460**		1.2	0.22	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Nickel	**22**		3.1	0.39	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Selenium	ND		0.78	0.36	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Silver	ND		0.39	0.081	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1
Zinc	**60**		1.6	1.1	mg/Kg	☼	04/04/23 09:10	04/06/23 18:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/17/23 09:45	04/18/23 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.7**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**94.3**		0.1	0.1	%			03/29/23 14:21	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.42	0.22	mg/Kg	☼	04/12/23 14:54	04/15/23 14:38	1
Cyanide, Total (SW846 EPA 9014)	ND		0.33	0.25	mg/Kg	☼	04/06/23 19:00	04/06/23 21:04	1

Client Sample ID: SSHS-IRM5A2-A6A

Lab Sample ID: 180-154190-10

Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.047**		0.020	0.0038	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,4-Dioxane	ND		0.98	0.035	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1
Xylenes, Total	ND		0.0098	0.0070	mg/Kg	☼	03/31/23 07:18	03/31/23 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*03/31/23 07:18*	*03/31/23 14:39*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*03/31/23 07:18*	*03/31/23 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*03/31/23 07:18*	*03/31/23 14:39*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*03/31/23 07:18*	*03/31/23 14:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.8**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**96.2**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A6B

Lab Sample ID: 180-154190-11

Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1

Client Sample ID: SSHS-IRM5A2-A6B
Lab Sample ID: 180-154190-11
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	03/31/23 07:18	03/31/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*03/31/23 07:18*	*03/31/23 15:02*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*03/31/23 07:18*	*03/31/23 15:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*03/31/23 07:18*	*03/31/23 15:02*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/31/23 07:18*	*03/31/23 15:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.9**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**96.1**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A6C
Lab Sample ID: 180-154190-12
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.2

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Benzo[a]anthracene	ND		0.0070	0.0032	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-154190-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A6C
Lab Sample ID: 180-154190-12
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.2

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Fluoranthene	ND		0.0070	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Hexachlorobutadiene	ND		0.0070	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Pyrene	ND		0.0070	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*03/29/23 17:27*	*03/30/23 16:13*	*1*
2-Fluorophenol (Surr)	*60*		*32 - 105*	*03/29/23 17:27*	*03/30/23 16:13*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*03/29/23 17:27*	*03/30/23 16:13*	*1*
Phenol-d5 (Surr)	*76*		*34 - 105*	*03/29/23 17:27*	*03/30/23 16:13*	*1*
Terphenyl-d14 (Surr)	*75*		*20 - 117*	*03/29/23 17:27*	*03/30/23 16:13*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*03/29/23 17:27*	*03/30/23 16:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/28/23 17:00	03/30/23 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:59*	*1*
DCB Decachlorobiphenyl (Surr)	*129*		*63 - 138*	*03/28/23 17:00*	*03/30/23 10:59*	*1*

Client Sample ID: SSHS-IRM5A2-A6C
Lab Sample ID: 180-154190-12
Date Collected: 03/27/23 14:15
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 93.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*127*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:59*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*03/28/23 17:00*	*03/30/23 10:59*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.6**		0.47	0.30	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Barium	**50**		9.4	1.7	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Beryllium	**0.24**		0.19	0.051	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Cadmium	**0.091**	**J**	0.24	0.035	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Chromium	**8.4**		0.24	0.21	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Copper	**11**		1.2	0.71	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Lead	**9.0**		0.47	0.41	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Manganese	**320**		0.71	0.13	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Nickel	**15**		1.9	0.24	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Selenium	ND		0.47	0.22	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Silver	ND		0.24	0.049	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1
Zinc	**37**		0.94	0.68	mg/Kg	☼	04/04/23 09:10	04/06/23 18:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	04/17/23 09:45	04/18/23 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			03/29/23 14:21	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.44	0.23	mg/Kg	☼	04/12/23 14:54	04/15/23 14:39	1
Cyanide, Total (SW846 EPA 9014)	ND		0.45	0.34	mg/Kg	☼	04/06/23 19:00	04/06/23 21:06	1

Client Sample ID: SSHS-IRM5A2-A7A
Lab Sample ID: 180-154190-13
Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.019	0.0038	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
2-Butanone (MEK)	ND		0.0049	0.0025	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,4-Dioxane	ND		0.97	0.034	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1

Client Sample ID: SSHS-IRM5A2-A7A

Lab Sample ID: 180-154190-13

Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	03/31/23 07:18	03/31/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*03/31/23 07:18*	*03/31/23 15:24*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*03/31/23 07:18*	*03/31/23 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*03/31/23 07:18*	*03/31/23 15:24*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*03/31/23 07:18*	*03/31/23 15:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.8**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**96.2**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A7B

Lab Sample ID: 180-154190-14

Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.018	0.0035	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Benzene	ND		0.0046	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
2-Butanone (MEK)	ND		0.0046	0.0023	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Carbon tetrachloride	ND		0.0046	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Chlorobenzene	ND		0.0046	0.0012	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Chloroform	ND		0.0046	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
cis-1,2-Dichloroethene	ND		0.0046	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,2-Dichlorobenzene	ND		0.0046	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,3-Dichlorobenzene	ND		0.0046	0.0028	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,4-Dichlorobenzene	ND		0.0046	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,1-Dichloroethane	ND		0.0046	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,2-Dichloroethane	ND		0.0046	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,1-Dichloroethene	ND		0.0046	0.0021	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,4-Dioxane	ND		0.91	0.032	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Ethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Methylene Chloride	ND		0.0046	0.0041	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1

Client Sample ID: SSHS-IRM5A2-A7B
Lab Sample ID: 180-154190-14
Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 95.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0046	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
n-Butylbenzene	ND		0.0046	0.0023	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
N-Propylbenzene	ND		0.0046	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
sec-Butylbenzene	ND		0.0046	0.0022	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
tert-Butylbenzene	ND		0.0046	0.0019	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Tetrachloroethene	ND		0.0046	0.0018	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Toluene	ND		0.0046	0.0013	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
trans-1,2-Dichloroethene	ND		0.0046	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,1,1-Trichloroethane	ND		0.0046	0.0015	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Trichloroethene	ND		0.0046	0.0014	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,2,4-Trimethylbenzene	ND		0.0046	0.0016	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
1,3,5-Trimethylbenzene	ND		0.0046	0.0017	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Vinyl chloride	ND		0.0046	0.0033	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1
Xylenes, Total	ND		0.0091	0.0066	mg/Kg	☼	03/31/23 07:18	03/31/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*03/31/23 07:18*	*03/31/23 15:47*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*03/31/23 07:18*	*03/31/23 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*	*S1+*	*73 - 135*	*03/31/23 07:18*	*03/31/23 15:47*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*03/31/23 07:18*	*03/31/23 15:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.7**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**95.3**		0.1	0.1	%			03/29/23 14:21	1

Client Sample ID: SSHS-IRM5A2-A7C
Lab Sample ID: 180-154190-15
Date Collected: 03/27/23 14:20
Matrix: Solid
Date Received: 03/28/23 10:34
Percent Solids: 94.1

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Acenaphthylene	ND		0.0071	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1

Client Sample ID: SSHS-IRM5A2-A7C
Lab Sample ID: 180-154190-15

Date Collected: 03/27/23 14:20
Matrix: Solid

Date Received: 03/28/23 10:34
Percent Solids: 94.1

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Phenol	ND		0.035	0.011	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	03/29/23 17:27	03/30/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*03/29/23 17:27*	*03/30/23 16:34*	*1*
2-Fluorophenol (Surr)	*61*		*32 - 105*	*03/29/23 17:27*	*03/30/23 16:34*	*1*
Nitrobenzene-d5 (Surr)	*79*		*34 - 109*	*03/29/23 17:27*	*03/30/23 16:34*	*1*
Phenol-d5 (Surr)	*72*		*34 - 105*	*03/29/23 17:27*	*03/30/23 16:34*	*1*
Terphenyl-d14 (Surr)	*76*		*20 - 117*	*03/29/23 17:27*	*03/30/23 16:34*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 119*	*03/29/23 17:27*	*03/30/23 16:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	03/28/23 17:00	03/30/23 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/28/23 17:00*	*03/30/23 11:18*	*1*
DCB Decachlorobiphenyl (Surr)	*125*		*63 - 138*	*03/28/23 17:00*	*03/30/23 11:18*	*1*
Tetrachloro-m-xylene (Surr)	*129*		*55 - 135*	*03/28/23 17:00*	*03/30/23 11:18*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*03/28/23 17:00*	*03/30/23 11:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		0.60	0.38	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Barium	**68**		12	2.2	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Beryllium	**0.38**		0.24	0.066	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Cadmium	**0.53**		0.30	0.044	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Chromium	**11**		0.30	0.27	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Copper	**17**		1.5	0.91	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Lead	**13**		0.60	0.53	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Manganese	**450**	**B**	0.91	0.17	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Nickel	**22**		2.4	0.30	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Client Sample ID: SSHS-IRM5A2-A7C
Date Collected: 03/27/23 14:20
Date Received: 03/28/23 10:34

Lab Sample ID: 180-154190-15
Matrix: Solid
Percent Solids: 94.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.60	0.28	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Silver	ND		0.30	0.063	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1
Zinc	**51**	**B**	1.2	0.88	mg/Kg	☼	04/03/23 11:11	04/17/23 14:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 09:45	04/18/23 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.9**		0.1	0.1	%			03/29/23 14:21	1
Percent Solids (SM22 2540G)	**94.1**		0.1	0.1	%			03/29/23 14:21	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	04/12/23 14:54	04/15/23 14:40	1
Cyanide, Total (SW846 EPA 9014)	ND		0.25	0.19	mg/Kg	☼	04/06/23 19:00	04/06/23 21:08	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-430956/7
Matrix: Solid
Analysis Batch: 430956

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			03/31/23 12:00	1
Benzene	ND		0.0050	0.0014	mg/Kg			03/31/23 12:00	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			03/31/23 12:00	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			03/31/23 12:00	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			03/31/23 12:00	1
Chloroform	ND		0.0050	0.0016	mg/Kg			03/31/23 12:00	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			03/31/23 12:00	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			03/31/23 12:00	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			03/31/23 12:00	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			03/31/23 12:00	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			03/31/23 12:00	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			03/31/23 12:00	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			03/31/23 12:00	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			03/31/23 12:00	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			03/31/23 12:00	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			03/31/23 12:00	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			03/31/23 12:00	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/31/23 12:00	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			03/31/23 12:00	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			03/31/23 12:00	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			03/31/23 12:00	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			03/31/23 12:00	1
Toluene	ND		0.0050	0.0014	mg/Kg			03/31/23 12:00	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			03/31/23 12:00	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			03/31/23 12:00	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			03/31/23 12:00	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			03/31/23 12:00	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			03/31/23 12:00	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			03/31/23 12:00	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			03/31/23 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*		*03/31/23 12:00*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*		*03/31/23 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*		*03/31/23 12:00*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*		*03/31/23 12:00*	*1*

Lab Sample ID: LCS 180-430956/3
Matrix: Solid
Analysis Batch: 430956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone			0.0400	0.0379		mg/Kg		95	23 - 170		
Benzene			0.0400	0.0393		mg/Kg		98	77 - 120		
2-Butanone (MEK)			0.0400	0.0345		mg/Kg		86	39 - 157		
Carbon tetrachloride			0.0400	0.0369		mg/Kg		92	73 - 130		
Chlorobenzene			0.0400	0.0368		mg/Kg		92	79 - 122		
Chloroform			0.0400	0.0386		mg/Kg		96	73 - 126		

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154190-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-430956/3
Matrix: Solid
Analysis Batch: 430956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0388		mg/Kg		97	77 - 118
1,2-Dichlorobenzene	0.0400	0.0375		mg/Kg		94	76 - 120
1,3-Dichlorobenzene	0.0400	0.0386		mg/Kg		96	77 - 121
1,4-Dichlorobenzene	0.0400	0.0391		mg/Kg		98	79 - 120
1,1-Dichloroethane	0.0400	0.0393		mg/Kg		98	73 - 124
1,2-Dichloroethane	0.0400	0.0419		mg/Kg		105	64 - 140
1,1-Dichloroethene	0.0400	0.0385		mg/Kg		96	55 - 136
1,4-Dioxane	0.800	0.848	J	mg/Kg		106	18 - 166
Ethylbenzene	0.0400	0.0368		mg/Kg		92	79 - 119
Methylene Chloride	0.0400	0.0449		mg/Kg		112	67 - 131
Methyl tert-butyl ether	0.0400	0.0400		mg/Kg		100	58 - 132
n-Butylbenzene	0.0400	0.0394		mg/Kg		98	64 - 136
N-Propylbenzene	0.0400	0.0385		mg/Kg		96	71 - 127
sec-Butylbenzene	0.0400	0.0379		mg/Kg		95	65 - 130
tert-Butylbenzene	0.0400	0.0401		mg/Kg		100	69 - 133
Tetrachloroethene	0.0400	0.0377		mg/Kg		94	71 - 121
Toluene	0.0400	0.0373		mg/Kg		93	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0383		mg/Kg		96	75 - 122
1,1,1-Trichloroethane	0.0400	0.0387		mg/Kg		97	72 - 134
Trichloroethene	0.0400	0.0388		mg/Kg		97	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0398		mg/Kg		100	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0383		mg/Kg		96	69 - 131
Vinyl chloride	0.0400	0.0402		mg/Kg		100	64 - 134
Xylenes, Total	0.0800	0.0787		mg/Kg		98	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Lab Sample ID: LCSD 180-430956/4
Matrix: Solid
Analysis Batch: 430956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0400	0.0457		mg/Kg		114	23 - 170	19	35
Benzene	0.0400	0.0408		mg/Kg		102	77 - 120	4	20
2-Butanone (MEK)	0.0400	0.0426		mg/Kg		107	39 - 157	21	33
Carbon tetrachloride	0.0400	0.0385		mg/Kg		96	73 - 130	4	21
Chlorobenzene	0.0400	0.0382		mg/Kg		96	79 - 122	4	20
Chloroform	0.0400	0.0403		mg/Kg		101	73 - 126	4	20
cis-1,2-Dichloroethene	0.0400	0.0409		mg/Kg		102	77 - 118	5	20
1,2-Dichlorobenzene	0.0400	0.0382		mg/Kg		95	76 - 120	2	20
1,3-Dichlorobenzene	0.0400	0.0390		mg/Kg		97	77 - 121	1	20
1,4-Dichlorobenzene	0.0400	0.0394		mg/Kg		99	79 - 120	1	20
1,1-Dichloroethane	0.0400	0.0403		mg/Kg		101	73 - 124	3	20
1,2-Dichloroethane	0.0400	0.0431		mg/Kg		108	64 - 140	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-430956/4
Matrix: Solid
Analysis Batch: 430956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0410		mg/Kg		102	55 - 136	6	21
1,4-Dioxane			0.800	0.952	J	mg/Kg		119	18 - 166	12	40
Ethylbenzene			0.0400	0.0380		mg/Kg		95	79 - 119	3	20
Methylene Chloride			0.0400	0.0475		mg/Kg		119	67 - 131	6	32
Methyl tert-butyl ether			0.0400	0.0438		mg/Kg		109	58 - 132	9	24
n-Butylbenzene			0.0400	0.0393		mg/Kg		98	64 - 136	0	21
N-Propylbenzene			0.0400	0.0396		mg/Kg		99	71 - 127	3	20
sec-Butylbenzene			0.0400	0.0381		mg/Kg		95	65 - 130	0	20
tert-Butylbenzene			0.0400	0.0403		mg/Kg		101	69 - 133	0	23
Tetrachloroethene			0.0400	0.0384		mg/Kg		96	71 - 121	2	21
Toluene			0.0400	0.0376		mg/Kg		94	76 - 120	1	20
trans-1,2-Dichloroethene			0.0400	0.0400		mg/Kg		100	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0391		mg/Kg		98	72 - 134	1	20
Trichloroethene			0.0400	0.0405		mg/Kg		101	69 - 118	4	20
1,2,4-Trimethylbenzene			0.0400	0.0398		mg/Kg		100	74 - 127	0	20
1,3,5-Trimethylbenzene			0.0400	0.0386		mg/Kg		97	69 - 131	1	20
Vinyl chloride			0.0400	0.0418		mg/Kg		105	64 - 134	4	23
Xylenes, Total			0.0800	0.0797		mg/Kg		100	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-430754/1-A
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Anthracene	ND		0.0067	0.0017	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Chrysene	ND		0.0067	0.0037	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Fluorene	ND		0.0067	0.0013	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		03/29/23 17:27	03/30/23 12:57	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-430754/1-A
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Phenol	ND		0.033	0.010	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Pyrene	ND		0.0067	0.0016	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
Pyridine	ND		0.067	0.018	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		03/29/23 17:27	03/30/23 12:57	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		03/29/23 17:27	03/30/23 12:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*03/29/23 17:27*	*03/30/23 12:57*	*1*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*03/29/23 17:27*	*03/30/23 12:57*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*03/29/23 17:27*	*03/30/23 12:57*	*1*
Phenol-d5 (Surr)	*66*		*34 - 105*	*03/29/23 17:27*	*03/30/23 12:57*	*1*
Terphenyl-d14 (Surr)	*62*		*20 - 117*	*03/29/23 17:27*	*03/30/23 12:57*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*20 - 119*	*03/29/23 17:27*	*03/30/23 12:57*	*1*

Lab Sample ID: LCS 180-430754/2-A
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.667	0.504		mg/Kg		76	41 - 100
Acenaphthylene	0.667	0.509		mg/Kg		76	45 - 100
Anthracene	0.667	0.511		mg/Kg		77	47 - 100
Benzo[a]anthracene	0.667	0.529		mg/Kg		79	47 - 100
Benzo[a]pyrene	0.667	0.533		mg/Kg		80	45 - 101
Benzo[b]fluoranthene	0.667	0.500		mg/Kg		75	44 - 100
Benzo[g,h,i]perylene	0.667	0.512		mg/Kg		77	45 - 103
Benzo[k]fluoranthene	0.667	0.488		mg/Kg		73	43 - 100
Chrysene	0.667	0.489		mg/Kg		73	44 - 100
Dibenz(a,h)anthracene	0.667	0.503		mg/Kg		75	46 - 107
Dibenzofuran	0.667	0.480		mg/Kg		72	47 - 100
2,4-Dinitrotoluene	0.667	0.549		mg/Kg		82	48 - 106
1,4-Dioxane	0.667	0.537		mg/Kg		81	10 - 133
Fluoranthene	0.667	0.527		mg/Kg		79	49 - 102
Fluorene	0.667	0.488		mg/Kg		73	46 - 100
Hexachlorobenzene	0.667	0.478		mg/Kg		72	45 - 101
Hexachlorobutadiene	0.667	0.500		mg/Kg		75	38 - 110
Hexachloroethane	0.667	0.500		mg/Kg		75	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.504		mg/Kg		76	48 - 104
2-Methylphenol	0.667	0.528		mg/Kg		79	43 - 101
Methylphenol, 3 & 4	0.667	0.530		mg/Kg		79	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-430754/2-A
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	0.667	0.498		mg/Kg		75	43 - 100
Nitrobenzene	0.667	0.604		mg/Kg		91	43 - 107
Pentachlorophenol	1.33	0.890		mg/Kg		67	34 - 112
Phenanthrene	0.667	0.480		mg/Kg		72	46 - 100
Phenol	0.667	0.489		mg/Kg		73	42 - 103
Pyrene	0.667	0.564		mg/Kg		85	44 - 102
Pyridine	1.33	1.17		mg/Kg		87	25 - 109
2,4,5-Trichlorophenol	0.667	0.536		mg/Kg		80	47 - 108
2,4,6-Trichlorophenol	0.667	0.544		mg/Kg		82	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 105*
2-Fluorophenol (Surr)	*80*		*32 - 105*
Nitrobenzene-d5 (Surr)	*87*		*34 - 109*
Phenol-d5 (Surr)	*78*		*34 - 105*
Terphenyl-d14 (Surr)	*81*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 119*

Lab Sample ID: 180-154190-3 MS
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: SSHS-IRM5A2-A3C
Prep Type: Total/NA
Prep Batch: 430754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		0.689	0.350		mg/Kg	☼	51	41 - 100
Acenaphthylene	ND		0.689	0.358		mg/Kg	☼	52	45 - 100
Anthracene	ND		0.689	0.360		mg/Kg	☼	52	47 - 100
Benzo[a]anthracene	ND		0.689	0.365		mg/Kg	☼	53	47 - 100
Benzo[a]pyrene	ND		0.689	0.378		mg/Kg	☼	55	45 - 101
Benzo[b]fluoranthene	ND		0.689	0.345		mg/Kg	☼	50	44 - 100
Benzo[g,h,i]perylene	ND		0.689	0.359		mg/Kg	☼	52	45 - 103
Benzo[k]fluoranthene	ND		0.689	0.370		mg/Kg	☼	54	43 - 100
Chrysene	ND		0.689	0.351		mg/Kg	☼	51	44 - 100
Dibenz(a,h)anthracene	ND		0.689	0.361		mg/Kg	☼	52	46 - 107
Dibenzofuran	ND		0.689	0.347		mg/Kg	☼	50	47 - 100
2,4-Dinitrotoluene	ND		0.689	0.368		mg/Kg	☼	53	48 - 106
1,4-Dioxane	ND		0.689	0.264		mg/Kg	☼	38	10 - 133
Fluoranthene	ND		0.689	0.365		mg/Kg	☼	53	49 - 102
Fluorene	ND		0.689	0.346		mg/Kg	☼	50	46 - 100
Hexachlorobenzene	ND		0.689	0.331		mg/Kg	☼	48	45 - 101
Hexachlorobutadiene	ND		0.689	0.335		mg/Kg	☼	49	38 - 110
Hexachloroethane	ND		0.689	0.340		mg/Kg	☼	49	40 - 100
Indeno[1,2,3-cd]pyrene	ND		0.689	0.358		mg/Kg	☼	52	48 - 104
2-Methylphenol	ND		0.689	0.369		mg/Kg	☼	54	43 - 101
Methylphenol, 3 & 4	ND		0.689	0.374		mg/Kg	☼	54	43 - 104
Naphthalene	ND		0.689	0.340		mg/Kg	☼	49	43 - 100
Nitrobenzene	ND		0.689	0.390		mg/Kg	☼	57	43 - 107
Pentachlorophenol	ND	F1	1.38	0.250	F1	mg/Kg	☼	18	34 - 112
Phenanthrene	ND		0.689	0.345		mg/Kg	☼	50	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-154190-3 MS
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: SSHS-IRM5A2-A3C
Prep Type: Total/NA
Prep Batch: 430754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	ND		0.689	0.359		mg/Kg	☼	52	42 - 103
Pyrene	ND		0.689	0.388		mg/Kg	☼	56	44 - 102
Pyridine	ND		1.38	0.530		mg/Kg	☼	38	25 - 109
2,4,5-Trichlorophenol	ND		0.689	0.335		mg/Kg	☼	49	47 - 108
2,4,6-Trichlorophenol	ND		0.689	0.340		mg/Kg	☼	49	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*69*		*32 - 105*
Nitrobenzene-d5 (Surr)	*80*		*34 - 109*
Phenol-d5 (Surr)	*78*		*34 - 105*
Terphenyl-d14 (Surr)	*78*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*60*		*20 - 119*

Lab Sample ID: 180-154190-3 MSD
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: SSHS-IRM5A2-A3C
Prep Type: Total/NA
Prep Batch: 430754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		0.684	0.346		mg/Kg	☼	51	41 - 100	1	22
Acenaphthylene	ND		0.684	0.349		mg/Kg	☼	51	45 - 100	3	23
Anthracene	ND		0.684	0.348		mg/Kg	☼	51	47 - 100	4	26
Benzo[a]anthracene	ND		0.684	0.360		mg/Kg	☼	53	47 - 100	1	24
Benzo[a]pyrene	ND		0.684	0.364		mg/Kg	☼	53	45 - 101	4	21
Benzo[b]fluoranthene	ND		0.684	0.338		mg/Kg	☼	49	44 - 100	2	26
Benzo[g,h,i]perylene	ND		0.684	0.355		mg/Kg	☼	52	45 - 103	1	22
Benzo[k]fluoranthene	ND		0.684	0.352		mg/Kg	☼	51	43 - 100	5	18
Chrysene	ND		0.684	0.337		mg/Kg	☼	49	44 - 100	4	26
Dibenz(a,h)anthracene	ND		0.684	0.355		mg/Kg	☼	52	46 - 107	2	24
Dibenzofuran	ND		0.684	0.331		mg/Kg	☼	48	47 - 100	5	19
2,4-Dinitrotoluene	ND		0.684	0.363		mg/Kg	☼	53	48 - 106	1	20
1,4-Dioxane	ND		0.684	0.263		mg/Kg	☼	38	10 - 133	0	40
Fluoranthene	ND		0.684	0.354		mg/Kg	☼	52	49 - 102	3	26
Fluorene	ND		0.684	0.330		mg/Kg	☼	48	46 - 100	5	22
Hexachlorobenzene	ND		0.684	0.325		mg/Kg	☼	48	45 - 101	2	27
Hexachlorobutadiene	ND		0.684	0.324		mg/Kg	☼	47	38 - 110	3	27
Hexachloroethane	ND		0.684	0.326		mg/Kg	☼	48	40 - 100	4	27
Indeno[1,2,3-cd]pyrene	ND		0.684	0.347		mg/Kg	☼	51	48 - 104	3	22
2-Methylphenol	ND		0.684	0.359		mg/Kg	☼	52	43 - 101	3	27
Methylphenol, 3 & 4	ND		0.684	0.355		mg/Kg	☼	52	43 - 104	5	24
Naphthalene	ND		0.684	0.326		mg/Kg	☼	48	43 - 100	4	28
Nitrobenzene	ND		0.684	0.371		mg/Kg	☼	54	43 - 107	5	28
Pentachlorophenol	ND	F1	1.37	0.240	F1	mg/Kg	☼	18	34 - 112	4	28
Phenanthrene	ND		0.684	0.331		mg/Kg	☼	48	46 - 100	4	27
Phenol	ND		0.684	0.342		mg/Kg	☼	50	42 - 103	5	30
Pyrene	ND		0.684	0.385		mg/Kg	☼	56	44 - 102	1	27
Pyridine	ND		1.37	0.501		mg/Kg	☼	37	25 - 109	6	31
2,4,5-Trichlorophenol	ND		0.684	0.327		mg/Kg	☼	48	47 - 108	2	19

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-154190-3 MSD
Matrix: Solid
Analysis Batch: 430827

Client Sample ID: SSHS-IRM5A2-A3C
Prep Type: Total/NA
Prep Batch: 430754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.684	0.335		mg/Kg	☼	49	47 - 108	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*35 - 105*
2-Fluorophenol (Surr)	*68*		*32 - 105*
Nitrobenzene-d5 (Surr)	*76*		*34 - 109*
Phenol-d5 (Surr)	*75*		*34 - 105*
Terphenyl-d14 (Surr)	*77*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-430630/1-A
Matrix: Solid
Analysis Batch: 430779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1221	ND		0.017	0.0059	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1232	ND		0.017	0.0041	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1242	ND		0.017	0.0024	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1248	ND		0.017	0.0040	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1254	ND		0.017	0.0050	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1260	ND		0.017	0.0047	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1262	ND		0.017	0.0059	mg/Kg		03/28/23 17:00	03/30/23 08:47	1
PCB-1268	ND		0.017	0.0022	mg/Kg		03/28/23 17:00	03/30/23 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/28/23 17:00*	*03/30/23 08:47*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/28/23 17:00*	*03/30/23 08:47*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*03/28/23 17:00*	*03/30/23 08:47*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*03/28/23 17:00*	*03/30/23 08:47*	*1*

Lab Sample ID: LCS 180-430630/2-A
Matrix: Solid
Analysis Batch: 430779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430630

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1.33	1.16		mg/Kg		87	43 - 136		
PCB-1260			1.33	1.18		mg/Kg		88	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 180-430630/3-A
Matrix: Solid
Analysis Batch: 430779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 430630

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1.33	1.09		mg/Kg		81	43 - 136	7	40
PCB-1260			1.33	1.10		mg/Kg		83	55 - 128	7	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-431119/1-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Barium	ND		20	3.6	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Beryllium	ND		0.40	0.11	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Cadmium	ND		0.50	0.073	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Chromium	ND		0.50	0.46	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Copper	ND		2.5	1.5	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Lead	ND		1.0	0.87	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Manganese	0.349	J	1.5	0.28	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Nickel	ND		4.0	0.50	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Selenium	ND		1.0	0.46	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Silver	ND		0.50	0.10	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Zinc	1.90	J	2.0	1.5	mg/Kg		04/03/23 11:11	04/17/23 13:25	1

Lab Sample ID: LCS 180-431119/2-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431119

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			100	112		mg/Kg		112	80 - 120		
Barium			100	104		mg/Kg		104	80 - 120		
Beryllium			50.0	52.3		mg/Kg		105	80 - 120		
Cadmium			50.0	53.7		mg/Kg		107	80 - 120		
Chromium			50.0	53.4		mg/Kg		107	80 - 120		
Copper			50.0	52.3		mg/Kg		105	80 - 120		
Lead			50.0	53.1		mg/Kg		106	80 - 120		
Manganese			50.0	51.5		mg/Kg		103	80 - 120		
Nickel			50.0	53.0		mg/Kg		106	80 - 120		
Selenium			100	106		mg/Kg		106	80 - 120		
Silver			25.0	26.1		mg/Kg		104	80 - 120		
Zinc			25.0	28.3		mg/Kg		113	80 - 120		

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-431235/1-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Barium	ND		20	3.6	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Beryllium	ND		0.40	0.11	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Cadmium	ND		0.50	0.073	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Chromium	ND		0.50	0.46	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Copper	ND		2.5	1.5	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Lead	ND		1.0	0.87	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Manganese	ND		1.5	0.28	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Nickel	ND		4.0	0.50	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Selenium	ND		1.0	0.46	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Silver	ND		0.50	0.10	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Zinc	ND		2.0	1.5	mg/Kg		04/04/23 09:10	04/06/23 17:20	1

Lab Sample ID: LCS 180-431235/2-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	104		mg/Kg		104	80 - 120
Barium	100	99.7		mg/Kg		100	80 - 120
Beryllium	50.0	49.4		mg/Kg		99	80 - 120
Cadmium	50.0	49.7		mg/Kg		99	80 - 120
Chromium	50.0	50.9		mg/Kg		102	80 - 120
Copper	50.0	50.4		mg/Kg		101	80 - 120
Lead	50.0	50.4		mg/Kg		101	80 - 120
Manganese	50.0	48.3		mg/Kg		97	80 - 120
Nickel	50.0	50.2		mg/Kg		100	80 - 120
Selenium	100	102		mg/Kg		102	80 - 120
Silver	25.0	24.8		mg/Kg		99	80 - 120
Zinc	25.0	26.0		mg/Kg		104	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-432406/1-A
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/17/23 09:45	04/18/23 14:42	1

Lab Sample ID: LCS 180-432406/2-A
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.400		mg/Kg		96	80 - 120

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-154190-3 MS
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: SSHS-IRM5A2-A3C
Prep Type: Total/NA
Prep Batch: 432406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.169	0.166		mg/Kg	☼	98	80 - 120

Lab Sample ID: 180-154190-3 MSD
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: SSHS-IRM5A2-A3C
Prep Type: Total/NA
Prep Batch: 432406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.169	0.167		mg/Kg	☼	99	80 - 120	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-154190-6 DU
Matrix: Solid
Analysis Batch: 430734

Client Sample ID: SSHS-IRM5A2-A4C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.4		5.6		%		4	10
Percent Solids	94.6		94.4		%		0.2	10

Lab Sample ID: 180-154190-15 DU
Matrix: Solid
Analysis Batch: 430734

Client Sample ID: SSHS-IRM5A2-A7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.9		5.8		%		2	10
Percent Solids	94.1		94.2		%		0.1	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-432106/1-A
Matrix: Solid
Analysis Batch: 432438

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		04/12/23 14:54	04/15/23 14:05	1

Lab Sample ID: LCSI 180-432106/3-A
Matrix: Solid
Analysis Batch: 432438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432106

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	708	659		mg/Kg		93	80 - 120

Lab Sample ID: LCSS 180-432106/2-A
Matrix: Solid
Analysis Batch: 432438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432106

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	20.0	20.0		mg/Kg		100	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-431628/4-A
Matrix: Solid
Analysis Batch: 431681

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		04/06/23 19:00	04/06/23 20:43	1

Lab Sample ID: HLCS 180-431628/2-A
Matrix: Solid
Analysis Batch: 431681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431628

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.248		mg/Kg		99	90 - 110

Lab Sample ID: LCS 180-431628/3-A
Matrix: Solid
Analysis Batch: 431681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	102		mg/Kg		85	17 - 163

Lab Sample ID: LLCS 180-431628/1-A
Matrix: Solid
Analysis Batch: 431681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431628

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0518		mg/Kg		104	90 - 110

GC/MS VOA

Analysis Batch: 430956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-1	SSHS-IRM5A2-A3A	Total/NA	Solid	EPA 8260C	431032
180-154190-2	SSHS-IRM5A2-A3B	Total/NA	Solid	EPA 8260C	431032
180-154190-4	SSHS-IRM5A2-A4A	Total/NA	Solid	EPA 8260C	431032
180-154190-5	SSHS-IRM5A2-A4B	Total/NA	Solid	EPA 8260C	431032
180-154190-7	SSHS-IRM5A2-A5A	Total/NA	Solid	EPA 8260C	431032
180-154190-8	SSHS-IRM5A2-A5B	Total/NA	Solid	EPA 8260C	431032
180-154190-10	SSHS-IRM5A2-A6A	Total/NA	Solid	EPA 8260C	431032
180-154190-11	SSHS-IRM5A2-A6B	Total/NA	Solid	EPA 8260C	431032
180-154190-13	SSHS-IRM5A2-A7A	Total/NA	Solid	EPA 8260C	431032
180-154190-14	SSHS-IRM5A2-A7B	Total/NA	Solid	EPA 8260C	431032
MB 180-430956/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-430956/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-430956/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 431032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-1	SSHS-IRM5A2-A3A	Total/NA	Solid	5035	
180-154190-2	SSHS-IRM5A2-A3B	Total/NA	Solid	5035	
180-154190-4	SSHS-IRM5A2-A4A	Total/NA	Solid	5035	
180-154190-5	SSHS-IRM5A2-A4B	Total/NA	Solid	5035	
180-154190-7	SSHS-IRM5A2-A5A	Total/NA	Solid	5035	
180-154190-8	SSHS-IRM5A2-A5B	Total/NA	Solid	5035	
180-154190-10	SSHS-IRM5A2-A6A	Total/NA	Solid	5035	
180-154190-11	SSHS-IRM5A2-A6B	Total/NA	Solid	5035	
180-154190-13	SSHS-IRM5A2-A7A	Total/NA	Solid	5035	
180-154190-14	SSHS-IRM5A2-A7B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 430754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	3541	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	3541	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	3541	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	3541	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	3541	
MB 180-430754/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-430754/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154190-3 MS	SSHS-IRM5A2-A3C	Total/NA	Solid	3541	
180-154190-3 MSD	SSHS-IRM5A2-A3C	Total/NA	Solid	3541	

Analysis Batch: 430827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 8270D LL	430754
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	EPA 8270D LL	430754
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	EPA 8270D LL	430754
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	EPA 8270D LL	430754
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	EPA 8270D LL	430754
MB 180-430754/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	430754
LCS 180-430754/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	430754
180-154190-3 MS	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 8270D LL	430754

GC/MS Semi VOA (Continued)

Analysis Batch: 430827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3 MSD	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 8270D LL	430754

GC Semi VOA

Prep Batch: 430630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	3541	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	3541	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	3541	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	3541	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	3541	
MB 180-430630/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-430630/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-430630/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 430644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	3665A	430630
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	3665A	430630
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	3665A	430630
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	3665A	430630
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	3665A	430630

Cleanup Batch: 430645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	3660B	430644
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	3660B	430644
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	3660B	430644
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	3660B	430644
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	3660B	430644

Analysis Batch: 430779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 8082A	430645
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	EPA 8082A	430645
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	EPA 8082A	430645
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	EPA 8082A	430645
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	EPA 8082A	430645
MB 180-430630/1-A	Method Blank	Total/NA	Solid	EPA 8082A	430630
LCS 180-430630/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	430630
LCSD 180-430630/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	430630

Metals

Prep Batch: 431119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	3050B	
MB 180-431119/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431119/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals

Prep Batch: 431235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	3050B	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	3050B	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	3050B	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	3050B	
MB 180-431235/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431235/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 431651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 6010C	431235
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	EPA 6010C	431235
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	EPA 6010C	431235
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	EPA 6010C	431235
MB 180-431235/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431235
LCS 180-431235/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431235

Prep Batch: 432406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	7471B	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	7471B	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	7471B	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	7471B	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	7471B	
MB 180-432406/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432406/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154190-3 MS	SSHS-IRM5A2-A3C	Total/NA	Solid	7471B	
180-154190-3 MSD	SSHS-IRM5A2-A3C	Total/NA	Solid	7471B	

Analysis Batch: 432570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	EPA 6010C	431119
MB 180-431119/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431119
LCS 180-431119/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431119

Analysis Batch: 432682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 7471B	432406
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	EPA 7471B	432406
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	EPA 7471B	432406
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	EPA 7471B	432406
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	EPA 7471B	432406
MB 180-432406/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432406
LCS 180-432406/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432406
180-154190-3 MS	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 7471B	432406
180-154190-3 MSD	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 7471B	432406

Analysis Batch: 433149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 6010C	431235

General Chemistry

Analysis Batch: 430734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-1	SSHS-IRM5A2-A3A	Total/NA	Solid	2540G	
180-154190-2	SSHS-IRM5A2-A3B	Total/NA	Solid	2540G	
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	2540G	
180-154190-4	SSHS-IRM5A2-A4A	Total/NA	Solid	2540G	
180-154190-5	SSHS-IRM5A2-A4B	Total/NA	Solid	2540G	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	2540G	
180-154190-7	SSHS-IRM5A2-A5A	Total/NA	Solid	2540G	
180-154190-8	SSHS-IRM5A2-A5B	Total/NA	Solid	2540G	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	2540G	
180-154190-10	SSHS-IRM5A2-A6A	Total/NA	Solid	2540G	
180-154190-11	SSHS-IRM5A2-A6B	Total/NA	Solid	2540G	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	2540G	
180-154190-13	SSHS-IRM5A2-A7A	Total/NA	Solid	2540G	
180-154190-14	SSHS-IRM5A2-A7B	Total/NA	Solid	2540G	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	2540G	
180-154190-6 DU	SSHS-IRM5A2-A4C	Total/NA	Solid	2540G	
180-154190-15 DU	SSHS-IRM5A2-A7C	Total/NA	Solid	2540G	

Prep Batch: 431628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	9010C	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	9010C	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	9010C	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	9010C	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	9010C	
MB 180-431628/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-431628/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-431628/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-431628/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 431681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 9014	431628
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	EPA 9014	431628
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	EPA 9014	431628
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	EPA 9014	431628
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	EPA 9014	431628
MB 180-431628/4-A	Method Blank	Total/NA	Solid	EPA 9014	431628
HLCS 180-431628/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431628
LCS 180-431628/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431628
LLCS 180-431628/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431628

Prep Batch: 432106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	3060A	
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	3060A	
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	3060A	
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	3060A	
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	3060A	
MB 180-432106/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-432106/3-A	Lab Control Sample	Total/NA	Solid	3060A	

General Chemistry (Continued)

Prep Batch: 432106 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSS 180-432106/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 432438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154190-3	SSHS-IRM5A2-A3C	Total/NA	Solid	EPA 7196A	432106
180-154190-6	SSHS-IRM5A2-A4C	Total/NA	Solid	EPA 7196A	432106
180-154190-9	SSHS-IRM5A2-A5C	Total/NA	Solid	EPA 7196A	432106
180-154190-12	SSHS-IRM5A2-A6C	Total/NA	Solid	EPA 7196A	432106
180-154190-15	SSHS-IRM5A2-A7C	Total/NA	Solid	EPA 7196A	432106
MB 180-432106/1-A	Method Blank	Total/NA	Solid	EPA 7196A	432106
LCSI 180-432106/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	432106
LCSS 180-432106/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	432106

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

4/25/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	C Lamas	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044	PO #: MN0832			
Phone:	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A3A	3/27/23	1400	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A3B	3/27/23	1400	G	Solid	N	N	X										4	
SSHS-IRM5A2-A3C	3/27/23	1400	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A4A	3/27/23	1405	G	Solid	N	N	X										4	
SSHS-IRM5A2-A4B	3/27/23	1405	G	Solid	N	N	X										4	
SSHS-IRM5A2-A4C	3/27/23	1405	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A5A	3/27/23	1410	G	Solid	N	N	X										4	
SSHS-IRM5A2-A5B	3/27/23	1410	G	Solid	N	N	X										4	
SSHS-IRM5A2-A5C	3/27/23	1410	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A6A	3/27/23	1415	G	Solid	N	N	X										4	
SSHS-IRM5A2-A6B	3/27/23	1415	G	Solid	N	N	X										4	

180-154190 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		3/27/23			3-28-23 1034	EPI/AVE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

4/25/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	Z Miller	Dunlap, David A		180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A6C	3/27/23	1415	C	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A7A	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7B	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7C	3/27/23	1420	C	Solid	N	N		X		X		X	X	X	X	X				6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3/27/23	Company	Received by:	Date/Time: 3-28-23 1034	Company EPI PITT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154190 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A3A	3/27/23	1400	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A3B	3/27/23	1400	G	Solid	N	N	X													4	
SSHS-IRM5A2-A3C	3/27/23	1400	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A4A	3/27/23	1405	G	Solid	N	N	X													4	
SSHS-IRM5A2-A4B	3/27/23	1405	G	Solid	N	N	X													4	
SSHS-IRM5A2-A4C	3/27/23	1405	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A5A	3/27/23	1410	G	Solid	N	N	X													4	
SSHS-IRM5A2-A5B	3/27/23	1410	G	Solid	N	N	X													4	
SSHS-IRM5A2-A5C	3/27/23	1410	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A6A	3/27/23	1415	G	Solid	N	N	X													4	
SSHS-IRM5A2-A6B	3/27/23	1415	G	Solid	N	N	X													4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/28/23	Company	Received by:	Date/Time: 3.28.23 0940	Company EETSL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): 10 Day	
State, Zip: MD, 21044	PO #: MN0832	
Phone:	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site-	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A6C	3/27/23	1415	C	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A7A	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7B	3/27/23	1420	G	Solid	N	N	X													4	
SSHS-IRM5A2-A7C	3/27/23	1420	C	Solid	N	N		X		X		X	X	X	X	X				6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/27/23	Company	Received by:	Date/Time: 3-28-23 0940	Company EETSac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

Job: 180-154190 Field Sheet

Tracking # : 7716 5674 6220

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 603 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: _____

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 3-28-23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-28-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 3-28-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154190-1

Login Number: 154190
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 5/4/2023 8:39:21 AM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-154712-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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5/4/2023 8:39:21 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-154712-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154712-1

Receipt
The samples were received on 4/7/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.2º C, 2.6º C, 3.8º C, 3.9º C, 4.0º C and 5.3º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 was above the control limits for the following samples: SSHS-IRM5A2-A8A (180-154712-1), SSHS-IRM5A2-DUP1A (180-154712-4), SSHS-IRM5A2-DUP1B (180-154712-5), SSHS-IRM5A2-A9A (180-154712-7), and SSHS-IRM5A2-A9B (180-154712-8). As the surrogates were high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431744 was below criteria for the following analytes: Vinyl chloride, Acetone, and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The following samples were diluted due to the concentration of iron being over the instrument's linear range and iron inter-element corrections existing on arsenic, cadmium, and lead: SSHS-IRM5A2-A8C (180-154712-3) and SSHS-IRM5A2-A9C (180-154712-9). Elevated reporting limits (RLs) are provided.

Method 6010C: The method blank for preparation batch 180-433889 contained zinc above the reporting limit (RL). As the associated samples contained zinc at concentrations greater than ten-times that of the method blank, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 9014: The continuing calibration verification (CCV) associated with batch 180-432060 recovered above the control limits for cyanide. As the samples associated with this CCV did not have cyanide detected, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154712-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154712-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	05-03-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154712-1	SSHS-IRM5A2-A8A	Solid	04/06/23 13:20	04/07/23 09:25
180-154712-2	SSHS-IRM5A2-A8B	Solid	04/06/23 13:20	04/07/23 09:25
180-154712-3	SSHS-IRM5A2-A8C	Solid	04/06/23 13:20	04/07/23 09:25
180-154712-4	SSHS-IRM5A2-DUP1A	Solid	04/06/23 00:00	04/07/23 09:25
180-154712-5	SSHS-IRM5A2-DUP1B	Solid	04/06/23 00:00	04/07/23 09:25
180-154712-6	SSHS-IRM5A2-DUP1C	Solid	04/06/23 00:00	04/07/23 09:25
180-154712-7	SSHS-IRM5A2-A9A	Solid	04/06/23 13:25	04/07/23 09:25
180-154712-8	SSHS-IRM5A2-A9B	Solid	04/06/23 13:25	04/07/23 09:25
180-154712-9	SSHS-IRM5A2-A9C	Solid	04/06/23 13:25	04/07/23 09:25

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154712-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A8A
Lab Sample ID: 180-154712-1
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431838	04/10/23 13:42	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8A
Lab Sample ID: 180-154712-1
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1305 g	5 mL	431765	04/08/23 10:45	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 18:15	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A8B
Lab Sample ID: 180-154712-2
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431838	04/10/23 13:42	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8B
Lab Sample ID: 180-154712-2
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3302 g	5 mL	431765	04/08/23 10:45	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/09/23 00:41	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A8C
Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431757	04/08/23 15:28	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8C
Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	431743	04/08/23 11:57	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	431778	04/10/23 19:42	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-1

Client Sample ID: SSHS-IRM5A2-A8C

Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	432083	04/12/23 11:32	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432120	04/12/23 16:29	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432121	04/12/23 16:30	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432155	04/13/23 18:38	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.05 g	50 mL	432225	04/13/23 11:18	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433389	04/26/23 01:24	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			1.05 g	50 mL	432225	04/13/23 11:18	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433520	04/26/23 17:00	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	433889	05/02/23 10:00	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434151	05/03/23 12:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	432793	04/21/23 11:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 12:20	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.55 g	100 mL	433590	04/27/23 10:59	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	433842	04/29/23 16:13	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.54 g	10 mL	431917	04/11/23 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			432060	04/11/23 14:13	CMR	EET PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-DUP1A

Lab Sample ID: 180-154712-4
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431838	04/10/23 13:42	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP1A

Lab Sample ID: 180-154712-4
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1624 g	5 mL	431765	04/08/23 10:45	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 19:01	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-DUP1B

Lab Sample ID: 180-154712-5
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431838	04/10/23 13:42	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP1B

Lab Sample ID: 180-154712-5
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	431765	04/08/23 10:45	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 19:23	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-DUP1C

Lab Sample ID: 180-154712-6
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431757	04/08/23 15:28	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP1C

Lab Sample ID: 180-154712-6
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	0.5 mL	431743	04/08/23 11:57	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	431778	04/10/23 20:03	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	432083	04/12/23 11:32	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432120	04/12/23 16:29	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432121	04/12/23 16:30	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432155	04/13/23 18:57	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.03 g	50 mL	432225	04/13/23 11:18	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433389	04/26/23 01:30	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.72 g	50 mL	433889	05/02/23 10:00	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434151	05/03/23 12:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432793	04/21/23 11:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 12:21	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.48 g	100 mL	433590	04/27/23 10:59	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	433842	04/29/23 16:13	BAC	EET PIT
	Instrument ID: RAPID-T									

Client Sample ID: SSHS-IRM5A2-DUP1C
Lab Sample ID: 180-154712-6
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9010C			0.41 g	10 mL	431922	04/11/23 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			432060	04/11/23 14:25	CMR	EET PIT
	Instrument ID: SEAL2									

Client Sample ID: SSHS-IRM5A2-A9A
Lab Sample ID: 180-154712-7
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431838	04/10/23 13:42	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A9A
Lab Sample ID: 180-154712-7
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1659 g	5 mL	431765	04/08/23 10:45	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 19:46	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A9B
Lab Sample ID: 180-154712-8
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431838	04/10/23 13:42	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A9B
Lab Sample ID: 180-154712-8
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1348 g	5 mL	431765	04/08/23 10:45	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 20:09	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A9C
Lab Sample ID: 180-154712-9
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431844	04/10/23 14:58	CMR	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154712-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A9C
Lab Sample ID: 180-154712-9

Date Collected: 04/06/23 13:25
Matrix: Solid

Date Received: 04/07/23 09:25
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	431743	04/08/23 11:57	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	431778	04/10/23 20:25	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	432083	04/12/23 11:32	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432120	04/12/23 16:29	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432121	04/12/23 16:30	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432155	04/13/23 19:15	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.99 g	50 mL	432225	04/13/23 11:18	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433389	04/26/23 01:34	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.99 g	50 mL	432225	04/13/23 11:18	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433520	04/26/23 17:05	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.72 g	50 mL	433889	05/02/23 10:00	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434151	05/03/23 13:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432793	04/21/23 11:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 12:22	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.55 g	100 mL	433590	04/27/23 10:59	BAC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	433842	04/29/23 16:24	BAC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.53 g	10 mL	431922	04/11/23 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			432060	04/11/23 14:30	CMR	EET PIT
	Instrument ID: SEAL2									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-1

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - A1K = Aiza Kesodia
- Batch Type: Prep
  - AAS = Arianna Swick
  - BAC = Blase Cindric
  - CMR = Carl Reagle
  - HCY = Harrison Yaeger
  - JBP = Jack Prothero
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - BAB = Brooke Batyi
  - BAC = Blase Cindric
  - CMR = Carl Reagle
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - RJG = Rob Good
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-154712-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A8A
Lab Sample ID: 180-154712-1
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Carbon tetrachloride	ND		0.0053	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,3-Dichlorobenzene	ND		0.0053	0.0032	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,4-Dioxane	ND		1.1	0.037	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Ethylbenzene	ND		0.0053	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Methylene Chloride	ND		0.0053	0.0047	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Methyl tert-butyl ether	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
trans-1,2-Dichloroethene	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	04/08/23 10:45	04/08/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*60 - 124*	*04/08/23 10:45*	*04/08/23 18:15*	*1*
Dibromofluoromethane (Surr)	*125*		*69 - 126*	*04/08/23 10:45*	*04/08/23 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*153*	*S1+*	*73 - 135*	*04/08/23 10:45*	*04/08/23 18:15*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*04/08/23 10:45*	*04/08/23 18:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.4**		0.1	0.1	%			04/10/23 13:42	1
Percent Solids (SM22 2540G)	**92.6**		0.1	0.1	%			04/10/23 13:42	1

Client Sample ID: SSHS-IRM5A2-A8B
Lab Sample ID: 180-154712-2
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0038	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1

Client Sample ID: SSHS-IRM5A2-A8B
Lab Sample ID: 180-154712-2
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**0.072**		0.0049	0.0025	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Chloroform	ND		0.0049	0.0016	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,2-Dichlorobenzene	ND		0.0049	0.0017	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,4-Dioxane	ND		0.98	0.035	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
N-Propylbenzene	ND		0.0049	0.0018	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1
Xylenes, Total	ND		0.0098	0.0071	mg/Kg	☼	04/08/23 10:45	04/09/23 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/08/23 10:45*	*04/09/23 00:41*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*04/08/23 10:45*	*04/09/23 00:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*04/08/23 10:45*	*04/09/23 00:41*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*04/08/23 10:45*	*04/09/23 00:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.6**		0.1	0.1	%			04/10/23 13:42	1
Percent Solids (SM22 2540G)	**95.4**		0.1	0.1	%			04/10/23 13:42	1

Client Sample ID: SSHS-IRM5A2-A8C
Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 93.2

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Acenaphthylene	ND		0.0071	0.0015	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1

Client Sample ID: SSHS-IRM5A2-A8C
Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 93.2

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Phenol	ND		0.035	0.011	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*04/08/23 11:57*	*04/10/23 19:42*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*04/08/23 11:57*	*04/10/23 19:42*	*1*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*	*04/08/23 11:57*	*04/10/23 19:42*	*1*
Phenol-d5 (Surr)	*63*		*34 - 105*	*04/08/23 11:57*	*04/10/23 19:42*	*1*
Terphenyl-d14 (Surr)	*63*		*20 - 117*	*04/08/23 11:57*	*04/10/23 19:42*	*1*
2,4,6-Tribromophenol (Surr)	*32*		*20 - 119*	*04/08/23 11:57*	*04/10/23 19:42*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	04/12/23 11:32	04/13/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*04/12/23 11:32*	*04/13/23 18:38*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*04/12/23 11:32*	*04/13/23 18:38*	*1*

Client Sample ID: SSHS-IRM5A2-A8C
Lab Sample ID: 180-154712-3
Date Collected: 04/06/23 13:20
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 93.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*04/12/23 11:32*	*04/13/23 18:38*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*04/12/23 11:32*	*04/13/23 18:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		2.6	1.6	mg/Kg	☼	04/13/23 11:18	04/26/23 17:00	5
Barium	**69**		10	1.8	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Beryllium	**0.39**		0.20	0.056	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Cadmium	ND		1.3	0.19	mg/Kg	☼	04/13/23 11:18	04/26/23 17:00	5
Chromium	**11**		0.26	0.23	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Copper	**21**		1.3	0.77	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Lead	**13**		2.6	2.2	mg/Kg	☼	04/13/23 11:18	04/26/23 17:00	5
Manganese	**360**		0.77	0.14	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Nickel	**22**		2.0	0.26	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Selenium	ND		0.51	0.24	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Silver	ND		0.26	0.053	mg/Kg	☼	04/13/23 11:18	04/26/23 01:24	1
Zinc	**62**	**B**	1.7	1.3	mg/Kg	☼	05/02/23 10:00	05/03/23 12:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/21/23 11:15	04/24/23 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			04/08/23 15:28	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			04/08/23 15:28	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.42	0.22	mg/Kg	☼	04/27/23 10:59	04/29/23 16:13	1
Cyanide, Total (SW846 EPA 9014)	ND		0.20	0.15	mg/Kg	☼	04/11/23 11:00	04/11/23 14:13	1

Client Sample ID: SSHS-IRM5A2-DUP1A
Lab Sample ID: 180-154712-4
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Chloroform	ND		0.0051	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
cis-1,2-Dichloroethene	ND		0.0051	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1

Client Sample ID: SSHS-IRM5A2-DUP1A

Lab Sample ID: 180-154712-4

Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	04/08/23 10:45	04/08/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*04/08/23 10:45*	*04/08/23 19:01*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*04/08/23 10:45*	*04/08/23 19:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*149*	*S1+*	*73 - 135*	*04/08/23 10:45*	*04/08/23 19:01*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/08/23 10:45*	*04/08/23 19:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.8**		0.1	0.1	%			04/10/23 13:42	1
Percent Solids (SM22 2540G)	**94.2**		0.1	0.1	%			04/10/23 13:42	1

Client Sample ID: SSHS-IRM5A2-DUP1B

Lab Sample ID: 180-154712-5

Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0040	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
2-Butanone (MEK)	ND		0.0052	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1

Client Sample ID: SSHS-IRM5A2-DUP1B
Lab Sample ID: 180-154712-5

Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	04/08/23 10:45	04/08/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*	*04/08/23 10:45*	*04/08/23 19:23*	*1*
Dibromofluoromethane (Surr)	*124*		*69 - 126*	*04/08/23 10:45*	*04/08/23 19:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*158*	*S1+*	*73 - 135*	*04/08/23 10:45*	*04/08/23 19:23*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*04/08/23 10:45*	*04/08/23 19:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.0**		0.1	0.1	%			04/10/23 13:42	1
Percent Solids (SM22 2540G)	**96.0**		0.1	0.1	%			04/10/23 13:42	1

Client Sample ID: SSHS-IRM5A2-DUP1C
Lab Sample ID: 180-154712-6

Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Acenaphthylene	ND		0.0071	0.0016	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Dibenz(a,h)anthracene	ND		0.0071	0.0046	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1

Client Sample ID: SSHS-IRM5A2-DUP1C
Lab Sample ID: 180-154712-6

Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Phenol	ND		0.035	0.011	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*35 - 105*	*04/08/23 11:57*	*04/10/23 20:03*	*1*
2-Fluorophenol (Surr)	*54*		*32 - 105*	*04/08/23 11:57*	*04/10/23 20:03*	*1*
Nitrobenzene-d5 (Surr)	*59*		*34 - 109*	*04/08/23 11:57*	*04/10/23 20:03*	*1*
Phenol-d5 (Surr)	*59*		*34 - 105*	*04/08/23 11:57*	*04/10/23 20:03*	*1*
Terphenyl-d14 (Surr)	*60*		*20 - 117*	*04/08/23 11:57*	*04/10/23 20:03*	*1*
2,4,6-Tribromophenol (Surr)	*27*		*20 - 119*	*04/08/23 11:57*	*04/10/23 20:03*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	04/12/23 11:32	04/13/23 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*04/12/23 11:32*	*04/13/23 18:57*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*04/12/23 11:32*	*04/13/23 18:57*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*04/12/23 11:32*	*04/13/23 18:57*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*04/12/23 11:32*	*04/13/23 18:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.7**		0.52	0.33	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Barium	**54**		10	1.9	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Beryllium	**0.30**		0.21	0.057	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Cadmium	ND		0.26	0.039	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Chromium	**7.0**		0.26	0.24	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Copper	**16**		1.3	0.79	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Lead	**8.7**		0.52	0.46	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Manganese	**250**		0.79	0.15	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Nickel	**17**		2.1	0.26	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1

Client Sample ID: SSHS-IRM5A2-DUP1C
Lab Sample ID: 180-154712-6
Date Collected: 04/06/23 00:00
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.52	0.24	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Silver	ND		0.26	0.055	mg/Kg	☼	04/13/23 11:18	04/26/23 01:30	1
Zinc	**57**	**B**	1.5	1.1	mg/Kg	☼	05/02/23 10:00	05/03/23 12:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	04/21/23 11:15	04/24/23 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.5**		0.1	0.1	%			04/08/23 15:28	1
Percent Solids (SM22 2540G)	**92.5**		0.1	0.1	%			04/08/23 15:28	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.44	0.23	mg/Kg	☼	04/27/23 10:59	04/29/23 16:13	1
Cyanide, Total (SW846 EPA 9014)	ND	^+	0.26	0.20	mg/Kg	☼	04/11/23 11:00	04/11/23 14:25	1

Client Sample ID: SSHS-IRM5A2-A9A
Lab Sample ID: 180-154712-7
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-154712-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A9A
Lab Sample ID: 180-154712-7
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	04/08/23 10:45	04/08/23 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/08/23 10:45*	*04/08/23 19:46*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/08/23 10:45*	*04/08/23 19:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*145*	*S1+*	*73 - 135*	*04/08/23 10:45*	*04/08/23 19:46*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*04/08/23 10:45*	*04/08/23 19:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.4**		0.1	0.1	%			04/10/23 13:42	1
Percent Solids (SM22 2540G)	**92.6**		0.1	0.1	%			04/10/23 13:42	1

Client Sample ID: SSHS-IRM5A2-A9B
Lab Sample ID: 180-154712-8
Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 91.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Benzene	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
2-Butanone (MEK)	ND		0.0053	0.0027	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Carbon tetrachloride	ND		0.0053	0.0022	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Chlorobenzene	ND		0.0053	0.0014	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Chloroform	ND		0.0053	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
cis-1,2-Dichloroethene	ND		0.0053	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,2-Dichlorobenzene	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,3-Dichlorobenzene	ND		0.0053	0.0033	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,4-Dichlorobenzene	ND		0.0053	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,1-Dichloroethane	ND		0.0053	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,2-Dichloroethane	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,1-Dichloroethene	ND		0.0053	0.0024	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,4-Dioxane	ND		1.1	0.038	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Ethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Methylene Chloride	ND		0.0053	0.0048	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Methyl tert-butyl ether	ND		0.0053	0.0016	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
n-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
N-Propylbenzene	ND		0.0053	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
sec-Butylbenzene	ND		0.0053	0.0026	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
tert-Butylbenzene	ND		0.0053	0.0022	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Tetrachloroethene	ND		0.0053	0.0021	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Toluene	ND		0.0053	0.0015	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
trans-1,2-Dichloroethene	ND		0.0053	0.0019	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,1,1-Trichloroethane	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Trichloroethene	ND		0.0053	0.0017	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,2,4-Trimethylbenzene	ND		0.0053	0.0018	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
1,3,5-Trimethylbenzene	ND		0.0053	0.0020	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Vinyl chloride	ND		0.0053	0.0038	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1
Xylenes, Total	ND		0.011	0.0076	mg/Kg	☼	04/08/23 10:45	04/08/23 20:09	1

Client Sample ID: SSHS-IRM5A2-A9B
Lab Sample ID: 180-154712-8

Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 91.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*04/08/23 10:45*	*04/08/23 20:09*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*04/08/23 10:45*	*04/08/23 20:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*136*	*S1+*	*73 - 135*	*04/08/23 10:45*	*04/08/23 20:09*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*04/08/23 10:45*	*04/08/23 20:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.2**		0.1	0.1	%			04/10/23 13:42	1
Percent Solids (SM22 2540G)	**91.8**		0.1	0.1	%			04/10/23 13:42	1

Client Sample ID: SSHS-IRM5A2-A9C
Lab Sample ID: 180-154712-9

Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.1

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Acenaphthylene	ND		0.0071	0.0015	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Fluoranthene	**0.0027**	**J**	0.0071	0.0019	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Phenol	ND		0.035	0.011	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Pyrene	**0.0023**	**J**	0.0071	0.0017	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	04/08/23 11:57	04/10/23 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*04/08/23 11:57*	*04/10/23 20:25*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 105*	*04/08/23 11:57*	*04/10/23 20:25*	*1*
Nitrobenzene-d5 (Surr)	*71*		*34 - 109*	*04/08/23 11:57*	*04/10/23 20:25*	*1*

Client Sample ID: SSHS-IRM5A2-A9C
Lab Sample ID: 180-154712-9

Date Collected: 04/06/23 13:25
Matrix: Solid
Date Received: 04/07/23 09:25
Percent Solids: 92.1

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*70*		*34 - 105*	*04/08/23 11:57*	*04/10/23 20:25*	*1*
Terphenyl-d14 (Surr)	*69*		*20 - 117*	*04/08/23 11:57*	*04/10/23 20:25*	*1*
2,4,6-Tribromophenol (Surr)	*38*		*20 - 119*	*04/08/23 11:57*	*04/10/23 20:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	04/12/23 11:32	04/13/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/12/23 11:32*	*04/13/23 19:15*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*04/12/23 11:32*	*04/13/23 19:15*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*04/12/23 11:32*	*04/13/23 19:15*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*04/12/23 11:32*	*04/13/23 19:15*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		2.7	1.7	mg/Kg	☼	04/13/23 11:18	04/26/23 17:05	5
Barium	**96**		11	2.0	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Beryllium	**0.44**		0.22	0.060	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Cadmium	ND		1.4	0.20	mg/Kg	☼	04/13/23 11:18	04/26/23 17:05	5
Chromium	**12**		0.27	0.25	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Copper	**16**		1.4	0.83	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Lead	**17**		2.7	2.4	mg/Kg	☼	04/13/23 11:18	04/26/23 17:05	5
Manganese	**560**		0.82	0.15	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Nickel	**26**		2.2	0.28	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Selenium	ND		0.55	0.25	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Silver	ND		0.27	0.057	mg/Kg	☼	04/13/23 11:18	04/26/23 01:34	1
Zinc	**50**	**B**	1.5	1.1	mg/Kg	☼	05/02/23 10:00	05/03/23 13:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 11:15	04/24/23 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.9**		0.1	0.1	%			04/10/23 14:58	1
Percent Solids (SM22 2540G)	**92.1**		0.1	0.1	%			04/10/23 14:58	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	04/27/23 10:59	04/29/23 16:24	1
Cyanide, Total (SW846 EPA 9014)	ND	^+	0.20	0.16	mg/Kg	☼	04/11/23 11:00	04/11/23 14:30	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-431744/7
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			04/08/23 15:36	1
Benzene	ND		0.0050	0.0014	mg/Kg			04/08/23 15:36	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			04/08/23 15:36	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			04/08/23 15:36	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			04/08/23 15:36	1
Chloroform	ND		0.0050	0.0016	mg/Kg			04/08/23 15:36	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			04/08/23 15:36	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			04/08/23 15:36	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			04/08/23 15:36	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			04/08/23 15:36	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			04/08/23 15:36	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			04/08/23 15:36	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			04/08/23 15:36	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			04/08/23 15:36	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			04/08/23 15:36	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			04/08/23 15:36	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			04/08/23 15:36	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			04/08/23 15:36	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			04/08/23 15:36	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			04/08/23 15:36	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			04/08/23 15:36	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			04/08/23 15:36	1
Toluene	ND		0.0050	0.0014	mg/Kg			04/08/23 15:36	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			04/08/23 15:36	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			04/08/23 15:36	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			04/08/23 15:36	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			04/08/23 15:36	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			04/08/23 15:36	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			04/08/23 15:36	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			04/08/23 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*04/08/23 15:36*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*		*04/08/23 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*		*04/08/23 15:36*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*04/08/23 15:36*	*1*

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0400	0.0481		mg/Kg		120	23 - 170
Benzene	0.0400	0.0354		mg/Kg		89	77 - 120
2-Butanone (MEK)	0.0400	0.0403		mg/Kg		101	39 - 157
Carbon tetrachloride	0.0400	0.0378		mg/Kg		95	73 - 130
Chlorobenzene	0.0400	0.0373		mg/Kg		93	79 - 122
Chloroform	0.0400	0.0356		mg/Kg		89	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0364		mg/Kg		91	77 - 118
1,2-Dichlorobenzene	0.0400	0.0371		mg/Kg		93	76 - 120
1,3-Dichlorobenzene	0.0400	0.0378		mg/Kg		94	77 - 121
1,4-Dichlorobenzene	0.0400	0.0381		mg/Kg		95	79 - 120
1,1-Dichloroethane	0.0400	0.0336		mg/Kg		84	73 - 124
1,2-Dichloroethane	0.0400	0.0403		mg/Kg		101	64 - 140
1,1-Dichloroethene	0.0400	0.0359		mg/Kg		90	55 - 136
1,4-Dioxane	0.800	0.848	J	mg/Kg		106	18 - 166
Ethylbenzene	0.0400	0.0372		mg/Kg		93	79 - 119
Methylene Chloride	0.0400	0.0346		mg/Kg		86	67 - 131
Methyl tert-butyl ether	0.0400	0.0359		mg/Kg		90	58 - 132
n-Butylbenzene	0.0400	0.0377		mg/Kg		94	64 - 136
N-Propylbenzene	0.0400	0.0386		mg/Kg		96	71 - 127
sec-Butylbenzene	0.0400	0.0376		mg/Kg		94	65 - 130
tert-Butylbenzene	0.0400	0.0389		mg/Kg		97	69 - 133
Tetrachloroethene	0.0400	0.0440		mg/Kg		110	71 - 121
Toluene	0.0400	0.0393		mg/Kg		98	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0371		mg/Kg		93	75 - 122
1,1,1-Trichloroethane	0.0400	0.0385		mg/Kg		96	72 - 134
Trichloroethene	0.0400	0.0382		mg/Kg		96	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0381		mg/Kg		95	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0365		mg/Kg		91	69 - 131
Vinyl chloride	0.0400	0.0266		mg/Kg		66	64 - 134
Xylenes, Total	0.0800	0.0806		mg/Kg		101	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*112*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-431743/1-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Anthracene	ND		0.0067	0.0017	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Chrysene	ND		0.0067	0.0037	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		04/08/23 11:57	04/10/23 10:14	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-431743/1-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Fluorene	ND		0.0067	0.0013	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Hexachloroethane	ND		0.033	0.012	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Phenol	ND		0.033	0.010	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Pyrene	ND		0.0067	0.0016	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
Pyridine	ND		0.067	0.018	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		04/08/23 11:57	04/10/23 10:14	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		04/08/23 11:57	04/10/23 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*04/08/23 11:57*	*04/10/23 10:14*	*1*
2-Fluorophenol (Surr)	*73*		*32 - 105*	*04/08/23 11:57*	*04/10/23 10:14*	*1*
Nitrobenzene-d5 (Surr)	*74*		*34 - 109*	*04/08/23 11:57*	*04/10/23 10:14*	*1*
Phenol-d5 (Surr)	*73*		*34 - 105*	*04/08/23 11:57*	*04/10/23 10:14*	*1*
Terphenyl-d14 (Surr)	*66*		*20 - 117*	*04/08/23 11:57*	*04/10/23 10:14*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*04/08/23 11:57*	*04/10/23 10:14*	*1*

Lab Sample ID: LCS 180-431743/2-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.667	0.427		mg/Kg		64	41 - 100
Acenaphthylene	0.667	0.439		mg/Kg		66	45 - 100
Anthracene	0.667	0.440		mg/Kg		66	47 - 100
Benzo[a]anthracene	0.667	0.485		mg/Kg		73	47 - 100
Benzo[a]pyrene	0.667	0.447		mg/Kg		67	45 - 101
Benzo[b]fluoranthene	0.667	0.487		mg/Kg		73	44 - 100
Benzo[g,h,i]perylene	0.667	0.448		mg/Kg		67	45 - 103
Benzo[k]fluoranthene	0.667	0.422		mg/Kg		63	43 - 100
Chrysene	0.667	0.420		mg/Kg		63	44 - 100
Dibenz(a,h)anthracene	0.667	0.493		mg/Kg		74	46 - 107
Dibenzofuran	0.667	0.431		mg/Kg		65	47 - 100
2,4-Dinitrotoluene	0.667	0.507		mg/Kg		76	48 - 106
1,4-Dioxane	0.667	0.511		mg/Kg		77	10 - 133
Fluoranthene	0.667	0.474		mg/Kg		71	49 - 102
Fluorene	0.667	0.446		mg/Kg		67	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-431743/2-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	0.667	0.414		mg/Kg		62	45 - 101
Hexachlorobutadiene	0.667	0.465		mg/Kg		70	38 - 110
Hexachloroethane	0.667	0.455		mg/Kg		68	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.483		mg/Kg		72	48 - 104
2-Methylphenol	0.667	0.485		mg/Kg		73	43 - 101
Methylphenol, 3 & 4	0.667	0.476		mg/Kg		71	43 - 104
Naphthalene	0.667	0.424		mg/Kg		64	43 - 100
Nitrobenzene	0.667	0.517		mg/Kg		78	43 - 107
Pentachlorophenol	1.33	0.980		mg/Kg		74	34 - 112
Phenanthrene	0.667	0.415		mg/Kg		62	46 - 100
Phenol	0.667	0.474		mg/Kg		71	42 - 103
Pyrene	0.667	0.452		mg/Kg		68	44 - 102
Pyridine	1.33	1.01		mg/Kg		76	25 - 109
2,4,5-Trichlorophenol	0.667	0.531		mg/Kg		80	47 - 108
2,4,6-Trichlorophenol	0.667	0.547		mg/Kg		82	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*32 - 105*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*
Phenol-d5 (Surr)	*73*		*34 - 105*
Terphenyl-d14 (Surr)	*65*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*56*		*20 - 119*

Lab Sample ID: LCSD 180-431743/3-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 431743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	0.667	0.460		mg/Kg		69	41 - 100	7	22
Acenaphthylene	0.667	0.473		mg/Kg		71	45 - 100	7	23
Anthracene	0.667	0.455		mg/Kg		68	47 - 100	3	26
Benzo[a]anthracene	0.667	0.509		mg/Kg		76	47 - 100	5	24
Benzo[a]pyrene	0.667	0.472		mg/Kg		71	45 - 101	6	21
Benzo[b]fluoranthene	0.667	0.511		mg/Kg		77	44 - 100	5	26
Benzo[g,h,i]perylene	0.667	0.471		mg/Kg		71	45 - 103	5	22
Benzo[k]fluoranthene	0.667	0.437		mg/Kg		66	43 - 100	4	18
Chrysene	0.667	0.435		mg/Kg		65	44 - 100	3	26
Dibenz(a,h)anthracene	0.667	0.516		mg/Kg		77	46 - 107	5	24
Dibenzofuran	0.667	0.461		mg/Kg		69	47 - 100	7	19
2,4-Dinitrotoluene	0.667	0.539		mg/Kg		81	48 - 106	6	20
1,4-Dioxane	0.667	0.544		mg/Kg		82	10 - 133	6	40
Fluoranthene	0.667	0.499		mg/Kg		75	49 - 102	5	26
Fluorene	0.667	0.477		mg/Kg		72	46 - 100	7	22
Hexachlorobenzene	0.667	0.427		mg/Kg		64	45 - 101	3	27
Hexachlorobutadiene	0.667	0.482		mg/Kg		72	38 - 110	3	27
Hexachloroethane	0.667	0.474		mg/Kg		71	40 - 100	4	27
Indeno[1,2,3-cd]pyrene	0.667	0.516		mg/Kg		77	48 - 104	7	22

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 180-431743/3-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 431743

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol			0.667	0.498		mg/Kg		75	43 - 101	3	27
Methylphenol, 3 & 4			0.667	0.508		mg/Kg		76	43 - 104	7	24
Naphthalene			0.667	0.431		mg/Kg		65	43 - 100	2	28
Nitrobenzene			0.667	0.523		mg/Kg		78	43 - 107	1	28
Pentachlorophenol			1.33	1.03		mg/Kg		77	34 - 112	5	28
Phenanthrene			0.667	0.434		mg/Kg		65	46 - 100	4	27
Phenol			0.667	0.497		mg/Kg		75	42 - 103	5	30
Pyrene			0.667	0.468		mg/Kg		70	44 - 102	4	27
Pyridine			1.33	1.06		mg/Kg		80	25 - 109	6	31
2,4,5-Trichlorophenol			0.667	0.576		mg/Kg		86	47 - 108	8	19
2,4,6-Trichlorophenol			0.667	0.588		mg/Kg		88	47 - 108	7	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*74*		*32 - 105*
Nitrobenzene-d5 (Surr)	*78*		*34 - 109*
Phenol-d5 (Surr)	*75*		*34 - 105*
Terphenyl-d14 (Surr)	*68*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-432083/1-C
Matrix: Solid
Analysis Batch: 432155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1221	ND		0.017	0.0059	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1232	ND		0.017	0.0041	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1242	ND		0.017	0.0024	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1248	ND		0.017	0.0040	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1254	ND		0.017	0.0050	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1260	ND		0.017	0.0047	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1262	ND		0.017	0.0059	mg/Kg		04/12/23 11:32	04/13/23 17:23	1
PCB-1268	ND		0.017	0.0022	mg/Kg		04/12/23 11:32	04/13/23 17:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/12/23 11:32*	*04/13/23 17:23*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/12/23 11:32*	*04/13/23 17:23*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*04/12/23 11:32*	*04/13/23 17:23*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*04/12/23 11:32*	*04/13/23 17:23*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-432083/2-C
Matrix: Solid
Analysis Batch: 432155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1.33	1.30		mg/Kg		97	43 - 136
PCB-1260	1.33	1.29		mg/Kg		97	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-432225/1-A
Matrix: Solid
Analysis Batch: 433389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Barium	ND		20	3.6	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Beryllium	ND		0.40	0.11	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Cadmium	ND		0.50	0.073	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Chromium	ND		0.50	0.46	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Copper	ND		2.5	1.5	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Lead	ND		1.0	0.87	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Manganese	ND		1.5	0.28	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Nickel	ND		4.0	0.50	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Selenium	ND		1.0	0.46	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Silver	ND		0.50	0.10	mg/Kg		04/13/23 11:18	04/25/23 23:28	1

Lab Sample ID: LCS 180-432225/2-A
Matrix: Solid
Analysis Batch: 433389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	92.9		mg/Kg		93	80 - 120
Barium	100	91.6		mg/Kg		92	80 - 120
Beryllium	50.0	44.2		mg/Kg		88	80 - 120
Cadmium	50.0	44.2		mg/Kg		88	80 - 120
Chromium	50.0	42.6		mg/Kg		85	80 - 120
Copper	50.0	42.3		mg/Kg		85	80 - 120
Lead	50.0	43.2		mg/Kg		86	80 - 120
Manganese	50.0	41.8		mg/Kg		84	80 - 120
Nickel	50.0	43.9		mg/Kg		88	80 - 120
Selenium	100	89.3		mg/Kg		89	80 - 120
Silver	25.0	20.8		mg/Kg		83	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-433889/7-A
Matrix: Solid
Analysis Batch: 434151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	3.46		2.0	1.5	mg/Kg		05/02/23 10:00	05/03/23 12:13	1

Lab Sample ID: LCS 180-433889/8-A
Matrix: Solid
Analysis Batch: 434151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	25.0	30.1		mg/Kg		120	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-432793/1-A
Matrix: Solid
Analysis Batch: 433207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/21/23 11:15	04/24/23 11:52	1

Lab Sample ID: LCS 180-432793/2-A
Matrix: Solid
Analysis Batch: 433207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.379		mg/Kg		91	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-154712-3 DU
Matrix: Solid
Analysis Batch: 431757

Client Sample ID: SSHS-IRM5A2-A8C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.8		6.7		%		1	10
Percent Solids	93.2		93.3		%		0.09	10

Lab Sample ID: 180-154712-6 DU
Matrix: Solid
Analysis Batch: 431757

Client Sample ID: SSHS-IRM5A2-DUP1C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.5		7.8		%		4	10
Percent Solids	92.5		92.2		%		0.4	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-433590/1-A
Matrix: Solid
Analysis Batch: 433842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		04/27/23 10:59	04/29/23 15:30	1

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: LCSI 180-433590/3-A
Matrix: Solid
Analysis Batch: 433842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433590

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	708	619		mg/Kg		87	80 - 120

Lab Sample ID: LCSS 180-433590/2-A
Matrix: Solid
Analysis Batch: 433842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433590

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	20.0	23.4		mg/Kg		117	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-431917/4-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		04/11/23 11:00	04/11/23 13:28	1

Lab Sample ID: HLCS 180-431917/2-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431917

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.255		mg/Kg		102	90 - 110

Lab Sample ID: LCS 180-431917/3-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	87.0		mg/Kg		72	17 - 163

Lab Sample ID: LLCS 180-431917/1-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431917

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0516		mg/Kg		103	90 - 110

Lab Sample ID: MB 180-431922/4-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		04/11/23 11:00	04/11/23 14:20	1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: HLCS 180-431922/2-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431922

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.262		mg/Kg		105	90 - 110

Lab Sample ID: LCS 180-431922/3-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	87.8		mg/Kg		73	17 - 163

Lab Sample ID: LLCS 180-431922/1-A
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431922

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0550		mg/Kg		110	90 - 110

Lab Sample ID: 180-154712-6 MS
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: SSHS-IRM5A2-DUP1C
Prep Type: Total/NA
Prep Batch: 431922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	^+	2.40	2.38	^+	mg/Kg	☼	99	75 - 125

Lab Sample ID: 180-154712-6 MSD
Matrix: Solid
Analysis Batch: 432060

Client Sample ID: SSHS-IRM5A2-DUP1C
Prep Type: Total/NA
Prep Batch: 431922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	^+	2.25	2.12	^+	mg/Kg	☼	94	75 - 125	11	20

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-154712-1

GC/MS VOA

Analysis Batch: 431744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-1	SSHS-IRM5A2-A8A	Total/NA	Solid	EPA 8260C	431765
180-154712-2	SSHS-IRM5A2-A8B	Total/NA	Solid	EPA 8260C	431765
180-154712-4	SSHS-IRM5A2-DUP1A	Total/NA	Solid	EPA 8260C	431765
180-154712-5	SSHS-IRM5A2-DUP1B	Total/NA	Solid	EPA 8260C	431765
180-154712-7	SSHS-IRM5A2-A9A	Total/NA	Solid	EPA 8260C	431765
180-154712-8	SSHS-IRM5A2-A9B	Total/NA	Solid	EPA 8260C	431765
MB 180-431744/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431744/11	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 431765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-1	SSHS-IRM5A2-A8A	Total/NA	Solid	5035	
180-154712-2	SSHS-IRM5A2-A8B	Total/NA	Solid	5035	
180-154712-4	SSHS-IRM5A2-DUP1A	Total/NA	Solid	5035	
180-154712-5	SSHS-IRM5A2-DUP1B	Total/NA	Solid	5035	
180-154712-7	SSHS-IRM5A2-A9A	Total/NA	Solid	5035	
180-154712-8	SSHS-IRM5A2-A9B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 431743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3541	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3541	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3541	
MB 180-431743/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-431743/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-431743/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 431778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 8270D LL	431743
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 8270D LL	431743
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 8270D LL	431743
MB 180-431743/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	431743
LCS 180-431743/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	431743
LCSD 180-431743/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D LL	431743

GC Semi VOA

Prep Batch: 432083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3541	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3541	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3541	
MB 180-432083/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-432083/2-C	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 432120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3665A	432083
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3665A	432083

GC Semi VOA (Continued)

Cleanup Batch: 432120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3665A	432083
MB 180-432083/1-C	Method Blank	Total/NA	Solid	3665A	432083
LCS 180-432083/2-C	Lab Control Sample	Total/NA	Solid	3665A	432083

Cleanup Batch: 432121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3660B	432120
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3660B	432120
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3660B	432120
MB 180-432083/1-C	Method Blank	Total/NA	Solid	3660B	432120
LCS 180-432083/2-C	Lab Control Sample	Total/NA	Solid	3660B	432120

Analysis Batch: 432155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 8082A	432121
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 8082A	432121
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 8082A	432121
MB 180-432083/1-C	Method Blank	Total/NA	Solid	EPA 8082A	432121
LCS 180-432083/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	432121

Metals

Prep Batch: 432225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3050B	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3050B	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3050B	
MB 180-432225/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-432225/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 432793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	7471B	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	7471B	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	7471B	
MB 180-432793/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432793/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 433207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 7471B	432793
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 7471B	432793
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 7471B	432793
MB 180-432793/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432793
LCS 180-432793/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432793

Analysis Batch: 433389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 6010C	432225
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 6010C	432225
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 6010C	432225

Metals (Continued)

Analysis Batch: 433389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-432225/1-A	Method Blank	Total/NA	Solid	EPA 6010C	432225
LCS 180-432225/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	432225

Analysis Batch: 433520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 6010C	432225
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 6010C	432225

Prep Batch: 433889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3050B	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3050B	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3050B	
MB 180-433889/7-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-433889/8-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 434151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 6010C	433889
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 6010C	433889
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 6010C	433889
MB 180-433889/7-A	Method Blank	Total/NA	Solid	EPA 6010C	433889
LCS 180-433889/8-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	433889

General Chemistry

Analysis Batch: 431757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	2540G	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	2540G	
180-154712-3 DU	SSHS-IRM5A2-A8C	Total/NA	Solid	2540G	
180-154712-6 DU	SSHS-IRM5A2-DUP1C	Total/NA	Solid	2540G	

Analysis Batch: 431838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-1	SSHS-IRM5A2-A8A	Total/NA	Solid	2540G	
180-154712-2	SSHS-IRM5A2-A8B	Total/NA	Solid	2540G	
180-154712-4	SSHS-IRM5A2-DUP1A	Total/NA	Solid	2540G	
180-154712-5	SSHS-IRM5A2-DUP1B	Total/NA	Solid	2540G	
180-154712-7	SSHS-IRM5A2-A9A	Total/NA	Solid	2540G	
180-154712-8	SSHS-IRM5A2-A9B	Total/NA	Solid	2540G	

Analysis Batch: 431844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	2540G	

Prep Batch: 431917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	9010C	
MB 180-431917/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-431917/2-A	Lab Control Sample	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 431917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-431917/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-431917/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Prep Batch: 431922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	9010C	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	9010C	
MB 180-431922/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-431922/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-431922/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-431922/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-154712-6 MS	SSHS-IRM5A2-DUP1C	Total/NA	Solid	9010C	
180-154712-6 MSD	SSHS-IRM5A2-DUP1C	Total/NA	Solid	9010C	

Analysis Batch: 432060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 9014	431917
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 9014	431922
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 9014	431922
MB 180-431917/4-A	Method Blank	Total/NA	Solid	EPA 9014	431917
MB 180-431922/4-A	Method Blank	Total/NA	Solid	EPA 9014	431922
HLCS 180-431917/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431917
HLCS 180-431922/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431922
LCS 180-431917/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431917
LCS 180-431922/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431922
LLCS 180-431917/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431917
LLCS 180-431922/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	431922
180-154712-6 MS	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 9014	431922
180-154712-6 MSD	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 9014	431922

Prep Batch: 433590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	3060A	
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	3060A	
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	3060A	
MB 180-433590/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-433590/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-433590/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 433842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154712-3	SSHS-IRM5A2-A8C	Total/NA	Solid	EPA 7196A	433590
180-154712-6	SSHS-IRM5A2-DUP1C	Total/NA	Solid	EPA 7196A	433590
180-154712-9	SSHS-IRM5A2-A9C	Total/NA	Solid	EPA 7196A	433590
MB 180-433590/1-A	Method Blank	Total/NA	Solid	EPA 7196A	433590
LCSI 180-433590/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	433590
LCSS 180-433590/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	433590

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	

180-154712 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Containers	Special Instructions/Note
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A8A	4/6/23	1320	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A8B	4/6/23	1320	G	Solid	N	N	X										4	
SSHS-IRM5A2-A8C	4/6/23	1320	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-DUP1A	4/6/23	-	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP1B	4/6/23	-	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP1C	4/6/23	-	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A9A	4/6/23	1325	G	Solid	N	N	X										4	
SSHS-IRM5A2-A9B	4/6/23	1325	G	Solid	N	N	X										4	
SSHS-IRM5A2-A9C	4/6/23	1325	C	Solid	N	N		X		X		X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable | Skin Irritant | Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Miranda	4/6/23 1700			4/7/23 0925	CTA DTH
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

180-154712 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A8A	4/6/23	1320	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A8B	4/6/23	1320	G	Solid	N	N	X													4	
SSHS-IRM5A2-A8C	4/6/23	1320	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-DUP1A	4/6/23	-	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP1B	4/6/23	-	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP1C	4/6/23	-	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A9A	4/6/23	1325	G	Solid	N	N	X													4	
SSHS-IRM5A2-A9B	4/6/23	1325	G	Solid	N	N	X													4	
SSHS-IRM5A2-A9C	4/6/23	1325	C	Solid	N	N		X		X		X	X	X	X	X				6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mrau	4/6/23 1700			4/7/23 1000	EESac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 117657 | Cooler Temperature(s) °C and Other Remarks: 1.2

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154712 Field Sheet

Job: _____

Tracking # : 7717 4388 6159

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 410 Corr. Factor: (+ / -) _____ °C

Ice — Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1117637

Cooler ID: _____

Temp Observed: 1.2 °C Corrected: 1.2 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 4/7/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [illegible] Date: 4.7.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 4.7.23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154712-1

Login Number: 154712
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 5/20/2023 8:12:01 AM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-155685-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-155685-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-155685-2

Receipt
The samples were received on 4/27/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.6º C and 3.0º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23 *
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155685-3	SSHS-IRM5A2-A10C	Solid	04/26/23 16:20	04/27/23 10:12
180-155685-6	SSHS-IRM5A2-A11C	Solid	04/26/23 16:25	04/27/23 10:12

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-155685-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	672360	05/05/23 05:18	HK	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	673375	05/10/23 01:42	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A11C
Lab Sample ID: 180-155685-6
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.06 g	10.0 mL	672360	05/05/23 05:18	HK	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	673375	05/10/23 02:12	S1M	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

HK = Harmandeep Kaur

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	05/05/23 05:18	05/10/23 01:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C5 PFPeA	*108*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C2 PFHxA	*104*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C4 PFHpA	*112*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C4 PFOA	*105*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C5 PFNA	*108*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C2 PFDA	*111*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C2 PFUnA	*110*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C2 PFDoA	*111*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C2 PFTeDA	*113*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C3 PFBS	*98*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
18O2 PFHxS	*99*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C4 PFOS	*103*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
13C8 FOSA	*127*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
d3-NMeFOSAA	*147*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
d5-NEtFOSAA	*139*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
M2-6:2 FTS	*64*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*05/05/23 05:18*	*05/10/23 01:42*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A11C
Lab Sample ID: 180-155685-6
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	05/05/23 05:18	05/10/23 02:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*109*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C5 PFPeA	*106*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C2 PFHxA	*110*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C4 PFHpA	*112*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C4 PFOA	*106*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C5 PFNA	*110*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C2 PFDA	*111*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C2 PFUnA	*117*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C2 PFDoA	*116*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C2 PFTeDA	*117*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C3 PFBS	*91*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
18O2 PFHxS	*96*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C4 PFOS	*101*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
13C8 FOSA	*127*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
d3-NMeFOSAA	*147*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
d5-NEtFOSAA	*144*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
M2-6:2 FTS	*71*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*
M2-8:2 FTS	*76*		*25 - 150*	*05/05/23 05:18*	*05/10/23 02:12*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: LCS 320-672360/2-A
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.11		ug/Kg		105	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.24		ug/Kg		112	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.29		ug/Kg		115	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.23		ug/Kg		112	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.15		ug/Kg		108	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.16		ug/Kg		108	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.27		ug/Kg		114	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.09		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.24		ug/Kg		112	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.28		ug/Kg		114	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.91		ug/Kg		96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.04		ug/Kg		115	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.80		ug/Kg		99	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.03		ug/Kg		106	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.94		ug/Kg		104	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.10		ug/Kg		109	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.26		ug/Kg		113	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.12		ug/Kg		106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.23		ug/Kg		111	72 - 132
6:2 FTS	1.90	2.07		ug/Kg		109	73 - 139
8:2 FTS	1.92	2.09		ug/Kg		109	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*107*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*
13C4 PFHpA	*105*		*25 - 150*
13C4 PFOA	*99*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*100*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*109*		*25 - 150*
13C2 PFTeDA	*112*		*25 - 150*
13C3 PFBS	*97*		*25 - 150*
18O2 PFHxS	*104*		*25 - 150*
13C4 PFOS	*105*		*25 - 150*
13C8 FOSA	*120*		*25 - 150*
d3-NMeFOSAA	*127*		*25 - 150*
d5-NEtFOSAA	*127*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-672360/2-A
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672360

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	84		25 - 150

Lab Sample ID: LCSD 320-672360/3-A
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672360

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			2.00	2.17		ug/Kg		109	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)			2.00	2.21		ug/Kg		110	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)			2.00	2.25		ug/Kg		113	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)			2.00	2.23		ug/Kg		112	71 - 131	0	30
Perfluorooctanoic acid (PFOA)			2.00	2.20		ug/Kg		110	72 - 132	2	30
Perfluorononanoic acid (PFNA)			2.00	2.24		ug/Kg		112	73 - 133	4	30
Perfluorodecanoic acid (PFDA)			2.00	2.25		ug/Kg		113	72 - 132	1	30
Perfluoroundecanoic acid (PFUnA)			2.00	2.20		ug/Kg		110	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)			2.00	2.15		ug/Kg		107	71 - 131	4	30
Perfluorotridecanoic acid (PFTriA)			2.00	2.17		ug/Kg		108	71 - 131	5	30
Perfluorotetradecanoic acid (PFTeA)			2.00	1.94		ug/Kg		97	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)			1.78	2.02		ug/Kg		114	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.91		ug/Kg		105	62 - 122	6	30
Perfluoroheptanesulfonic acid (PFHpS)			1.91	2.02		ug/Kg		106	76 - 136	0	30
Perfluorooctanesulfonic acid (PFOS)			1.86	1.98		ug/Kg		106	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)			1.93	2.06		ug/Kg		107	71 - 131	2	30
Perfluorooctanesulfonamide (FOSA)			2.00	2.23		ug/Kg		111	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	2.22		ug/Kg		111	72 - 132	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	2.18		ug/Kg		109	72 - 132	2	30
6:2 FTS			1.90	2.12		ug/Kg		111	73 - 139	2	30
8:2 FTS			1.92	2.15		ug/Kg		112	75 - 135	3	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	108		25 - 150
13C5 PFPeA	97		25 - 150
13C2 PFHxA	103		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	104		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	101		25 - 150
13C2 PFDoA	108		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-672360/3-A
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672360

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	111		25 - 150
13C3 PFBS	99		25 - 150
18O2 PFHxS	104		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	118		25 - 150
d3-NMeFOSAA	124		25 - 150
d5-NEtFOSAA	126		25 - 150
M2-6:2 FTS	71		25 - 150
M2-8:2 FTS	76		25 - 150

Lab Sample ID: 180-155685-3 MS
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: SSHS-IRM5A2-A10C
Prep Type: Total/NA
Prep Batch: 672360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		1.95	2.03		ug/Kg	☼	104	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		1.95	2.08		ug/Kg	☼	107	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		1.95	2.11		ug/Kg	☼	108	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		1.95	2.21		ug/Kg	☼	113	71 - 131
Perfluorooctanoic acid (PFOA)	ND		1.95	2.08		ug/Kg	☼	107	72 - 132
Perfluorononanoic acid (PFNA)	ND		1.95	2.03		ug/Kg	☼	104	73 - 133
Perfluorodecanoic acid (PFDA)	ND		1.95	2.13		ug/Kg	☼	110	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		1.95	2.16		ug/Kg	☼	111	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		1.95	2.05		ug/Kg	☼	105	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		1.95	2.19		ug/Kg	☼	112	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		1.95	1.83		ug/Kg	☼	94	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.73	1.99		ug/Kg	☼	115	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.78	1.89		ug/Kg	☼	106	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.86	1.99		ug/Kg	☼	107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.81	1.89		ug/Kg	☼	104	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.88	2.01		ug/Kg	☼	107	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		1.95	2.14		ug/Kg	☼	110	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.95	2.01		ug/Kg	☼	103	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.95	1.94		ug/Kg	☼	100	72 - 132
6:2 FTS	ND		1.85	2.09		ug/Kg	☼	113	73 - 139
8:2 FTS	ND		1.87	2.07		ug/Kg	☼	111	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	107		25 - 150
13C5 PFPeA	98		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-155685-3 MS
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: SSHS-IRM5A2-A10C
Prep Type: Total/NA
Prep Batch: 672360

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFHxA	103		25 - 150
13C4 PFHpA	109		25 - 150
13C4 PFOA	104		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	105		25 - 150
13C2 PFUnA	107		25 - 150
13C2 PFDoA	109		25 - 150
13C2 PFTeDA	115		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	122		25 - 150
d3-NMeFOSAA	129		25 - 150
d5-NEtFOSAA	135		25 - 150
M2-6:2 FTS	70		25 - 150
M2-8:2 FTS	75		25 - 150

Lab Sample ID: 180-155685-3 MSD
Matrix: Solid
Analysis Batch: 673375

Client Sample ID: SSHS-IRM5A2-A10C
Prep Type: Total/NA
Prep Batch: 672360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.02	2.25		ug/Kg	☼	112	76 - 136	10	30
Perfluoropentanoic acid (PFPeA)	ND		2.02	2.18		ug/Kg	☼	108	69 - 129	5	30
Perfluorohexanoic acid (PFHxA)	ND		2.02	2.29		ug/Kg	☼	113	71 - 131	8	30
Perfluoroheptanoic acid (PFHpA)	ND		2.02	2.22		ug/Kg	☼	110	71 - 131	0	30
Perfluorooctanoic acid (PFOA)	ND		2.02	2.19		ug/Kg	☼	108	72 - 132	5	30
Perfluorononanoic acid (PFNA)	ND		2.02	2.21		ug/Kg	☼	110	73 - 133	9	30
Perfluorodecanoic acid (PFDA)	ND		2.02	2.21		ug/Kg	☼	110	72 - 132	4	30
Perfluoroundecanoic acid (PFUnA)	ND		2.02	2.02		ug/Kg	☼	100	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		2.02	2.24		ug/Kg	☼	111	71 - 131	9	30
Perfluorotridecanoic acid (PFTriA)	ND		2.02	2.27		ug/Kg	☼	113	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.02	1.93		ug/Kg	☼	95	67 - 127	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.79	1.97		ug/Kg	☼	110	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.84	1.90		ug/Kg	☼	103	62 - 122	1	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.92	2.03		ug/Kg	☼	105	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.88	1.99		ug/Kg	☼	106	68 - 141	5	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.94	1.95		ug/Kg	☼	100	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.02	2.32		ug/Kg	☼	115	77 - 137	8	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.02	2.12		ug/Kg	☼	105	72 - 132	5	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-155685-3 MSD
Client Sample ID: SSHS-IRM5A2-A10C
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 673375
Prep Batch: 672360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.02	2.21		ug/Kg	☼	109	72 - 132	13	30
6:2 FTS	ND		1.92	2.24		ug/Kg	☼	116	73 - 139	7	30
8:2 FTS	ND		1.94	2.23		ug/Kg	☼	115	75 - 135	7	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*111*		*25 - 150*
13C5 PFPeA	*103*		*25 - 150*
13C2 PFHxA	*103*		*25 - 150*
13C4 PFHpA	*109*		*25 - 150*
13C4 PFOA	*107*		*25 - 150*
13C5 PFNA	*106*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*106*		*25 - 150*
13C2 PFDoA	*109*		*25 - 150*
13C2 PFTeDA	*115*		*25 - 150*
13C3 PFBS	*93*		*25 - 150*
18O2 PFHxS	*101*		*25 - 150*
13C4 PFOS	*99*		*25 - 150*
13C8 FOSA	*111*		*25 - 150*
d3-NMeFOSAA	*131*		*25 - 150*
d5-NEtFOSAA	*127*		*25 - 150*
M2-6:2 FTS	*69*		*25 - 150*
M2-8:2 FTS	*75*		*25 - 150*

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155685-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 672360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	SHAKE	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	SHAKE	
LCS 320-672360/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCSD 320-672360/3-A	Lab Control Sample Dup	Total/NA	Solid	SHAKE	
180-155685-3 MS	SSHS-IRM5A2-A10C	Total/NA	Solid	SHAKE	
180-155685-3 MSD	SSHS-IRM5A2-A10C	Total/NA	Solid	SHAKE	

Analysis Batch: 673375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	537 (modified)	672360
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	537 (modified)	672360
LCS 320-672360/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	672360
LCSD 320-672360/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	672360
180-155685-3 MS	SSHS-IRM5A2-A10C	Total/NA	Solid	537 (modified)	672360
180-155685-3 MSD	SSHS-IRM5A2-A10C	Total/NA	Solid	537 (modified)	672360

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A10A	4/26/23	1620	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A10B	4/26/23	1620	G	Solid	N	N	X										4	
SSHS-IRM5A2-A10C	4/26/23	1620	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A11A	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11B	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11C	4/26/23	1625	C	Solid	N	N		X		X		X	X	X	X	X	6	

180-155685 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4/26/23		[signature]	4-27-23 1012	EPI-TUE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A10A	4/26/23	1620	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A10B	4/26/23	1620	G	Solid	N	N	X										4	
SSHS-IRM5A2-A10C	4/26/23	1620	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A11A	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11B	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11C	4/26/23	1625	C	Solid	N	N		X		X		X	X	X	X	X	6	

180-155685 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4/27/23	Company	Received by:	Date/Time: 4/27/23 0940	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1869240 | Cooler Temperature(s) °C and Other Remarks: 0.6°c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Job:  180-155685 Field Sheet

Tracking # : 7119 1527 2468

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice ~~_____~~ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1869240

Cooler ID: _____

Temp Observed: 0.6 °C Corrected: 0.6 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 4/27/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 4/27/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 4/27/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155685-2

Login Number: 155685
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155685-2

Login Number: 155685
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 04/27/23 05:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1869240
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 5/25/2023 11:10:08 AM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-155685-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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5/25/2023 11:10:08 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-155685-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-155685-1

Receipt
The samples were received on 4/27/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.6º C and 3.0º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 was above the control limits for the following sample: SSHS-IRM5A2-A10A (180-155685-1). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433847 was below criteria for the following analytes: 2-Butanone, Acetone, n-Butylbenzene, N-Propylbenzene, sec-Butylbenzene, and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 7196A: The laboratory control sample (LCSS) for preparation batch 180-434293 and analytical batch 180-434474 recovered above the control limits for the following analyte: soluble hexavalent chromium. These the LCS was biased high and hexavalent chromium was not detected in the associated samples, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

General Chemistry

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-155685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155685-1	SSHS-IRM5A2-A10A	Solid	04/26/23 16:20	04/27/23 10:12
180-155685-2	SSHS-IRM5A2-A10B	Solid	04/26/23 16:20	04/27/23 10:12
180-155685-3	SSHS-IRM5A2-A10C	Solid	04/26/23 16:20	04/27/23 10:12
180-155685-4	SSHS-IRM5A2-A11A	Solid	04/26/23 16:25	04/27/23 10:12
180-155685-5	SSHS-IRM5A2-A11B	Solid	04/26/23 16:25	04/27/23 10:12
180-155685-6	SSHS-IRM5A2-A11C	Solid	04/26/23 16:25	04/27/23 10:12

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-155685-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A10A
Lab Sample ID: 180-155685-1
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			433823	04/29/23 10:35	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A10A
Lab Sample ID: 180-155685-1
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4426 g	5 mL	433599	04/27/23 18:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433847	04/30/23 19:10	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A10B
Lab Sample ID: 180-155685-2
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			433823	04/29/23 10:35	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A10B
Lab Sample ID: 180-155685-2
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3362 g	5 mL	433599	04/27/23 18:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433847	04/30/23 19:33	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			433823	04/29/23 10:35	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	433929	05/01/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	433965	05/02/23 16:57	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SSHS-IRM5A2-A10C

Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	433896	05/01/23 10:53	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	433949	05/02/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	433950	05/02/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	433961	05/02/23 18:30	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.74 g	50 mL	435389	05/17/23 07:45	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435784	05/19/23 15:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.74 g	50 mL	435389	05/17/23 07:45	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			436021	05/24/23 01:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.75 g	100 mL	434148	05/05/23 11:15	RSR	EET PIT
Total/NA	Analysis	EPA 7471B		1			434463	05/06/23 12:17	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	434293	05/04/23 16:22	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	434474	05/06/23 16:49	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.32 g	10 mL	434824	05/10/23 17:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			434876	05/10/23 21:20	CMR	EET PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A11A

Lab Sample ID: 180-155685-4
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			433823	04/29/23 10:35	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A11A

Lab Sample ID: 180-155685-4
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	433599	04/27/23 18:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433847	04/30/23 19:56	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A11B

Lab Sample ID: 180-155685-5
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			433823	04/29/23 10:35	BAB	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A11B
Lab Sample ID: 180-155685-5
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0046 g	5 mL	433599	04/27/23 18:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433847	04/30/23 20:18	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A11C
Lab Sample ID: 180-155685-6
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			433823	04/29/23 10:35	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A11C
Lab Sample ID: 180-155685-6
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	433929	05/01/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	433965	05/02/23 17:19	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	433896	05/01/23 10:53	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	433949	05/02/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	433950	05/02/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	433961	05/02/23 18:49	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.83 g	50 mL	435389	05/17/23 07:45	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435784	05/19/23 15:50	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.83 g	50 mL	435389	05/17/23 07:45	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			436021	05/24/23 01:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	434148	05/05/23 11:15	RSR	EET PIT
Total/NA	Analysis	EPA 7471B		1			434463	05/06/23 12:18	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	434293	05/04/23 16:22	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	434474	05/06/23 16:51	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.27 g	10 mL	434824	05/10/23 17:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			434876	05/10/23 21:26	CMR	EET PIT
	Instrument ID: SEAL1									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-155685-1

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - AAS = Arianna Swick
  - CMC = Candace California
  - CMR = Carl Reagle
  - JSM = Joseph Moore
  - PJJ = Patrick Journet
  - RSR = Roseann Ruyechan
  - S1Z = Sage Ziviello
- Batch Type: Analysis
  - AAS = Arianna Swick
  - BAB = Brooke Batyi
  - CMC = Candace California
  - CMR = Carl Reagle
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A10A

Lab Sample ID: 180-155685-1

Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0040	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
2-Butanone (MEK)	ND		0.0051	0.0026	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Chloroform	ND		0.0051	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
cis-1,2-Dichloroethene	ND		0.0051	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,3-Dichlorobenzene	ND		0.0051	0.0031	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,4-Dioxane	ND		1.0	0.036	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
n-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
tert-Butylbenzene	ND		0.0051	0.0021	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Tetrachloroethene	ND		0.0051	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1
Xylenes, Total	ND		0.010	0.0073	mg/Kg	☼	04/27/23 18:00	04/30/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*04/27/23 18:00*	*04/30/23 19:10*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/27/23 18:00*	*04/30/23 19:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*	*S1+*	*73 - 135*	*04/27/23 18:00*	*04/30/23 19:10*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/27/23 18:00*	*04/30/23 19:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.7**		0.1	0.1	%			04/29/23 10:35	1
Percent Solids (SM22 2540G)	**90.3**		0.1	0.1	%			04/29/23 10:35	1

Client Sample ID: SSHS-IRM5A2-A10B

Lab Sample ID: 180-155685-2

Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 89.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0041	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1

Client Sample ID: SSHS-IRM5A2-A10B
Lab Sample ID: 180-155685-2
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 89.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0052	0.0027	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Chloroform	ND		0.0052	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,4-Dioxane	ND		1.0	0.037	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,1,1-Trichloroethane	ND		0.0052	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1
Xylenes, Total	ND		0.010	0.0076	mg/Kg	☼	04/27/23 18:00	04/30/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/27/23 18:00*	*04/30/23 19:33*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*04/27/23 18:00*	*04/30/23 19:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*04/27/23 18:00*	*04/30/23 19:33*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/27/23 18:00*	*04/30/23 19:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.8**		0.1	0.1	%			04/29/23 10:35	1
Percent Solids (SM22 2540G)	**89.2**		0.1	0.1	%			04/29/23 10:35	1

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Acenaphthylene	ND		0.0071	0.0016	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Phenol	ND		0.035	0.011	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	05/01/23 17:11	05/02/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*05/01/23 17:11*	*05/02/23 16:57*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*05/01/23 17:11*	*05/02/23 16:57*	*1*
Nitrobenzene-d5 (Surr)	*70*		*34 - 109*	*05/01/23 17:11*	*05/02/23 16:57*	*1*
Phenol-d5 (Surr)	*69*		*34 - 105*	*05/01/23 17:11*	*05/02/23 16:57*	*1*
Terphenyl-d14 (Surr)	*79*		*20 - 117*	*05/01/23 17:11*	*05/02/23 16:57*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*20 - 119*	*05/01/23 17:11*	*05/02/23 16:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0057	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1221	ND		0.018	0.0062	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1248	ND		0.018	0.0042	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1260	ND		0.018	0.0050	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1262	ND		0.018	0.0062	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	05/01/23 10:53	05/02/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*05/01/23 10:53*	*05/02/23 18:30*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*05/01/23 10:53*	*05/02/23 18:30*	*1*

Client Sample ID: SSHS-IRM5A2-A10C
Lab Sample ID: 180-155685-3
Date Collected: 04/26/23 16:20
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 93.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*05/01/23 10:53*	*05/02/23 18:30*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*05/01/23 10:53*	*05/02/23 18:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.7**		0.72	0.45	mg/Kg	☼	05/17/23 07:45	05/24/23 01:41	1
Barium	**79**		14	2.6	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Beryllium	**0.46**		0.29	0.079	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Cadmium	ND		0.36	0.053	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Chromium	**13**		0.36	0.33	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Copper	**16**		1.8	1.1	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Lead	**12**		0.72	0.63	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Manganese	**620**		1.1	0.20	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Nickel	**23**		2.9	0.36	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Selenium	ND		0.72	0.33	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Silver	ND		0.36	0.075	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1
Zinc	**54**		1.4	1.0	mg/Kg	☼	05/17/23 07:45	05/19/23 15:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.028	0.018	mg/Kg	☼	05/05/23 11:15	05/06/23 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.7**		0.1	0.1	%			04/29/23 10:35	1
Percent Solids (SM22 2540G)	**93.3**		0.1	0.1	%			04/29/23 10:35	1
Hexavalent chromium (SW846 EPA 7196A)	ND	*+	0.43	0.23	mg/Kg	☼	05/04/23 16:22	05/06/23 16:49	1
Cyanide, Total (SW846 EPA 9014)	ND		0.33	0.25	mg/Kg	☼	05/10/23 17:00	05/10/23 21:20	1

Client Sample ID: SSHS-IRM5A2-A11A
Lab Sample ID: 180-155685-4
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0043	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Benzene	ND		0.0055	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
2-Butanone (MEK)	ND		0.0055	0.0028	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Carbon tetrachloride	ND		0.0055	0.0022	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Chlorobenzene	ND		0.0055	0.0014	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Chloroform	ND		0.0055	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
cis-1,2-Dichloroethene	ND		0.0055	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,2-Dichlorobenzene	ND		0.0055	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,3-Dichlorobenzene	ND		0.0055	0.0034	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,4-Dichlorobenzene	ND		0.0055	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,1-Dichloroethane	ND		0.0055	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,2-Dichloroethane	ND		0.0055	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,1-Dichloroethene	ND		0.0055	0.0025	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,4-Dioxane	ND		1.1	0.039	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1

Client Sample ID: SSHS-IRM5A2-A11A
Lab Sample ID: 180-155685-4
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Methylene Chloride	ND		0.0055	0.0049	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Methyl tert-butyl ether	ND		0.0055	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
n-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
N-Propylbenzene	ND		0.0055	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
sec-Butylbenzene	ND		0.0055	0.0027	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
tert-Butylbenzene	ND		0.0055	0.0023	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Tetrachloroethene	ND		0.0055	0.0022	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Toluene	ND		0.0055	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
trans-1,2-Dichloroethene	ND		0.0055	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,1,1-Trichloroethane	ND		0.0055	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Trichloroethene	ND		0.0055	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,2,4-Trimethylbenzene	ND		0.0055	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
1,3,5-Trimethylbenzene	ND		0.0055	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Vinyl chloride	ND		0.0055	0.0039	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1
Xylenes, Total	ND		0.011	0.0079	mg/Kg	☼	04/27/23 18:00	04/30/23 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/27/23 18:00*	*04/30/23 19:56*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*04/27/23 18:00*	*04/30/23 19:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*04/27/23 18:00*	*04/30/23 19:56*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*04/27/23 18:00*	*04/30/23 19:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.4**		0.1	0.1	%			04/29/23 10:35	1
Percent Solids (SM22 2540G)	**90.6**		0.1	0.1	%			04/29/23 10:35	1

Client Sample ID: SSHS-IRM5A2-A11B
Lab Sample ID: 180-155685-5
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 89.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0047**	**J**	0.022	0.0044	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Benzene	ND		0.0056	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
2-Butanone (MEK)	ND		0.0056	0.0029	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Carbon tetrachloride	ND		0.0056	0.0023	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Chlorobenzene	ND		0.0056	0.0015	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Chloroform	ND		0.0056	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
cis-1,2-Dichloroethene	ND		0.0056	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,2-Dichlorobenzene	ND		0.0056	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,3-Dichlorobenzene	ND		0.0056	0.0035	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,4-Dichlorobenzene	ND		0.0056	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,1-Dichloroethane	ND		0.0056	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,2-Dichloroethane	ND		0.0056	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,1-Dichloroethene	ND		0.0056	0.0025	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,4-Dioxane	ND		1.1	0.040	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Ethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Methylene Chloride	ND		0.0056	0.0051	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1

Client Sample ID: SSHS-IRM5A2-A11B

Lab Sample ID: 180-155685-5

Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 89.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0056	0.0017	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
n-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
N-Propylbenzene	ND		0.0056	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
sec-Butylbenzene	ND		0.0056	0.0028	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
tert-Butylbenzene	ND		0.0056	0.0024	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Tetrachloroethene	ND		0.0056	0.0023	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Toluene	ND		0.0056	0.0016	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
trans-1,2-Dichloroethene	ND		0.0056	0.0020	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,1,1-Trichloroethane	ND		0.0056	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Trichloroethene	ND		0.0056	0.0018	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,2,4-Trimethylbenzene	ND		0.0056	0.0019	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
1,3,5-Trimethylbenzene	ND		0.0056	0.0021	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Vinyl chloride	ND		0.0056	0.0040	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1
Xylenes, Total	ND		0.011	0.0081	mg/Kg	☼	04/27/23 18:00	04/30/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*04/27/23 18:00*	*04/30/23 20:18*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*04/27/23 18:00*	*04/30/23 20:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*04/27/23 18:00*	*04/30/23 20:18*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*04/27/23 18:00*	*04/30/23 20:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.0**		0.1	0.1	%			04/29/23 10:35	1
Percent Solids (SM22 2540G)	**89.0**		0.1	0.1	%			04/29/23 10:35	1

Client Sample ID: SSHS-IRM5A2-A11C

Lab Sample ID: 180-155685-6

Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.9

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0073	0.0021	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Acenaphthylene	ND		0.0073	0.0016	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Anthracene	ND		0.0073	0.0019	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Benzo[a]anthracene	ND		0.0073	0.0033	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Benzo[a]pyrene	ND		0.0073	0.0032	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Benzo[b]fluoranthene	ND		0.0073	0.0018	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Benzo[g,h,i]perylene	ND		0.0073	0.0016	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Benzo[k]fluoranthene	ND		0.0073	0.0022	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Chrysene	ND		0.0073	0.0040	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Dibenz(a,h)anthracene	ND		0.0073	0.0047	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Dibenzofuran	ND		0.036	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
2,4-Dinitrotoluene	ND		0.036	0.022	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
1,4-Dioxane	ND		0.073	0.011	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Fluoranthene	ND		0.0073	0.0019	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Fluorene	ND		0.0073	0.0014	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Hexachlorobenzene	ND		0.0073	0.0026	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Hexachlorobutadiene	ND		0.0073	0.0021	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Hexachloroethane	ND		0.036	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A11C
Lab Sample ID: 180-155685-6
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.9

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0073	0.0036	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
2-Methylphenol	ND		0.036	0.010	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Methylphenol, 3 & 4	ND		0.036	0.011	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Naphthalene	ND		0.0073	0.0014	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Nitrobenzene	ND		0.073	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Pentachlorophenol	ND		0.19	0.059	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Phenanthrene	ND		0.0073	0.0020	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Phenol	ND		0.036	0.011	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Pyrene	ND		0.0073	0.0017	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
Pyridine	ND		0.073	0.020	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
2,4,5-Trichlorophenol	ND		0.036	0.013	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1
2,4,6-Trichlorophenol	ND		0.036	0.012	mg/Kg	☼	05/01/23 17:11	05/02/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*05/01/23 17:11*	*05/02/23 17:19*	*1*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*05/01/23 17:11*	*05/02/23 17:19*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 109*	*05/01/23 17:11*	*05/02/23 17:19*	*1*
Phenol-d5 (Surr)	*75*		*34 - 105*	*05/01/23 17:11*	*05/02/23 17:19*	*1*
Terphenyl-d14 (Surr)	*83*		*20 - 117*	*05/01/23 17:11*	*05/02/23 17:19*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*05/01/23 17:11*	*05/02/23 17:19*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0059	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1221	ND		0.018	0.0064	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1242	ND		0.018	0.0027	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1262	ND		0.018	0.0064	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	05/01/23 10:53	05/02/23 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*05/01/23 10:53*	*05/02/23 18:49*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*05/01/23 10:53*	*05/02/23 18:49*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*05/01/23 10:53*	*05/02/23 18:49*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*05/01/23 10:53*	*05/02/23 18:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.9**		0.66	0.42	mg/Kg	☼	05/17/23 07:45	05/24/23 01:46	1
Barium	**68**		13	2.4	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Beryllium	**0.44**		0.27	0.072	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Cadmium	ND		0.33	0.049	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Chromium	**13**		0.33	0.30	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Copper	**15**		1.7	1.0	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Lead	**16**		0.66	0.58	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Manganese	**440**		0.99	0.18	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Nickel	**22**		2.7	0.33	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-155685-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A11C
Lab Sample ID: 180-155685-6
Date Collected: 04/26/23 16:25
Matrix: Solid
Date Received: 04/27/23 10:12
Percent Solids: 90.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.66	0.31	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Silver	ND		0.33	0.069	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1
Zinc	**51**		1.3	0.96	mg/Kg	☼	05/17/23 07:45	05/19/23 15:50	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	05/05/23 11:15	05/06/23 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.1**		0.1	0.1	%			04/29/23 10:35	1
Percent Solids (SM22 2540G)	**90.9**		0.1	0.1	%			04/29/23 10:35	1
Hexavalent chromium (SW846 EPA 7196A)	ND	*+	0.44	0.23	mg/Kg	☼	05/04/23 16:22	05/06/23 16:51	1
Cyanide, Total (SW846 EPA 9014)	ND		0.41	0.31	mg/Kg	☼	05/10/23 17:00	05/10/23 21:26	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-433847/8
Matrix: Solid
Analysis Batch: 433847

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0039	mg/Kg			04/30/23 12:17	1
Benzene	ND		0.0050	0.0014	mg/Kg			04/30/23 12:17	1
2-Butanone (MEK)	ND		0.0050	0.0025	mg/Kg			04/30/23 12:17	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			04/30/23 12:17	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			04/30/23 12:17	1
Chloroform	ND		0.0050	0.0016	mg/Kg			04/30/23 12:17	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			04/30/23 12:17	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			04/30/23 12:17	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			04/30/23 12:17	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			04/30/23 12:17	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			04/30/23 12:17	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			04/30/23 12:17	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			04/30/23 12:17	1
1,4-Dioxane	ND		1.0	0.035	mg/Kg			04/30/23 12:17	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			04/30/23 12:17	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			04/30/23 12:17	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			04/30/23 12:17	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			04/30/23 12:17	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			04/30/23 12:17	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			04/30/23 12:17	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			04/30/23 12:17	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			04/30/23 12:17	1
Toluene	ND		0.0050	0.0014	mg/Kg			04/30/23 12:17	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			04/30/23 12:17	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			04/30/23 12:17	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			04/30/23 12:17	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			04/30/23 12:17	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			04/30/23 12:17	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			04/30/23 12:17	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			04/30/23 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*04/30/23 12:17*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*		*04/30/23 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*		*04/30/23 12:17*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*		*04/30/23 12:17*	*1*

Lab Sample ID: LCS 180-433847/3
Matrix: Solid
Analysis Batch: 433847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0400	0.0292		mg/Kg		73	23 - 170
Benzene	0.0400	0.0361		mg/Kg		90	77 - 120
2-Butanone (MEK)	0.0400	0.0308		mg/Kg		77	39 - 157
Carbon tetrachloride	0.0400	0.0405		mg/Kg		101	73 - 130
Chlorobenzene	0.0400	0.0338		mg/Kg		84	79 - 122
Chloroform	0.0400	0.0383		mg/Kg		96	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433847/3
Matrix: Solid
Analysis Batch: 433847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0383		mg/Kg		96	77 - 118
1,2-Dichlorobenzene	0.0400	0.0320		mg/Kg		80	76 - 120
1,3-Dichlorobenzene	0.0400	0.0325		mg/Kg		81	77 - 121
1,4-Dichlorobenzene	0.0400	0.0329		mg/Kg		82	79 - 120
1,1-Dichloroethane	0.0400	0.0376		mg/Kg		94	73 - 124
1,2-Dichloroethane	0.0400	0.0479		mg/Kg		120	64 - 140
1,1-Dichloroethene	0.0400	0.0440		mg/Kg		110	55 - 136
1,4-Dioxane	0.800	0.813	J	mg/Kg		102	18 - 166
Ethylbenzene	0.0400	0.0326		mg/Kg		82	79 - 119
Methylene Chloride	0.0400	0.0393		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0427		mg/Kg		107	58 - 132
n-Butylbenzene	0.0400	0.0288		mg/Kg		72	64 - 136
N-Propylbenzene	0.0400	0.0313		mg/Kg		78	71 - 127
sec-Butylbenzene	0.0400	0.0288		mg/Kg		72	65 - 130
tert-Butylbenzene	0.0400	0.0309		mg/Kg		77	69 - 133
Tetrachloroethene	0.0400	0.0362		mg/Kg		91	71 - 121
Toluene	0.0400	0.0330		mg/Kg		82	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0396		mg/Kg		99	75 - 122
1,1,1-Trichloroethane	0.0400	0.0396		mg/Kg		99	72 - 134
Trichloroethene	0.0400	0.0372		mg/Kg		93	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0321		mg/Kg		80	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0303		mg/Kg		76	69 - 131
Vinyl chloride	0.0400	0.0293		mg/Kg		73	64 - 134
Xylenes, Total	0.0800	0.0669		mg/Kg		84	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*
Toluene-d8 (Surr)	*96*		*67 - 134*

Lab Sample ID: LCSD 180-433847/4
Matrix: Solid
Analysis Batch: 433847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0400	0.0252		mg/Kg		63	23 - 170	15	35
Benzene	0.0400	0.0362		mg/Kg		90	77 - 120	0	20
2-Butanone (MEK)	0.0400	0.0283		mg/Kg		71	39 - 157	9	33
Carbon tetrachloride	0.0400	0.0421		mg/Kg		105	73 - 130	4	21
Chlorobenzene	0.0400	0.0331		mg/Kg		83	79 - 122	2	20
Chloroform	0.0400	0.0379		mg/Kg		95	73 - 126	1	20
cis-1,2-Dichloroethene	0.0400	0.0373		mg/Kg		93	77 - 118	3	20
1,2-Dichlorobenzene	0.0400	0.0319		mg/Kg		80	76 - 120	0	20
1,3-Dichlorobenzene	0.0400	0.0325		mg/Kg		81	77 - 121	0	20
1,4-Dichlorobenzene	0.0400	0.0329		mg/Kg		82	79 - 120	0	20
1,1-Dichloroethane	0.0400	0.0381		mg/Kg		95	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0447		mg/Kg		112	64 - 140	7	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433847/4
Matrix: Solid
Analysis Batch: 433847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0454		mg/Kg		113	55 - 136	3	21
1,4-Dioxane			0.800	0.768	J	mg/Kg		96	18 - 166	6	40
Ethylbenzene			0.0400	0.0335		mg/Kg		84	79 - 119	3	20
Methylene Chloride			0.0400	0.0375		mg/Kg		94	67 - 131	5	32
Methyl tert-butyl ether			0.0400	0.0392		mg/Kg		98	58 - 132	9	24
n-Butylbenzene			0.0400	0.0307		mg/Kg		77	64 - 136	6	21
N-Propylbenzene			0.0400	0.0327		mg/Kg		82	71 - 127	4	20
sec-Butylbenzene			0.0400	0.0305		mg/Kg		76	65 - 130	6	20
tert-Butylbenzene			0.0400	0.0329		mg/Kg		82	69 - 133	6	23
Tetrachloroethene			0.0400	0.0369		mg/Kg		92	71 - 121	2	21
Toluene			0.0400	0.0333		mg/Kg		83	76 - 120	1	20
trans-1,2-Dichloroethene			0.0400	0.0399		mg/Kg		100	75 - 122	1	20
1,1,1-Trichloroethane			0.0400	0.0400		mg/Kg		100	72 - 134	1	20
Trichloroethene			0.0400	0.0378		mg/Kg		95	69 - 118	2	20
1,2,4-Trimethylbenzene			0.0400	0.0331		mg/Kg		83	74 - 127	3	20
1,3,5-Trimethylbenzene			0.0400	0.0318		mg/Kg		80	69 - 131	5	20
Vinyl chloride			0.0400	0.0306		mg/Kg		76	64 - 134	4	23
Xylenes, Total			0.0800	0.0674		mg/Kg		84	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-433929/1-A
Matrix: Solid
Analysis Batch: 433965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Anthracene	ND		0.0067	0.0017	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Chrysene	ND		0.0067	0.0037	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Fluorene	ND		0.0067	0.0013	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		05/01/23 17:11	05/02/23 08:36	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-433929/1-A
Matrix: Solid
Analysis Batch: 433965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Phenol	ND		0.033	0.010	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Pyrene	ND		0.0067	0.0016	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
Pyridine	ND		0.067	0.018	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		05/01/23 17:11	05/02/23 08:36	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		05/01/23 17:11	05/02/23 08:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*35 - 105*	*05/01/23 17:11*	*05/02/23 08:36*	*1*
2-Fluorophenol (Surr)	*53*		*32 - 105*	*05/01/23 17:11*	*05/02/23 08:36*	*1*
Nitrobenzene-d5 (Surr)	*53*		*34 - 109*	*05/01/23 17:11*	*05/02/23 08:36*	*1*
Phenol-d5 (Surr)	*56*		*34 - 105*	*05/01/23 17:11*	*05/02/23 08:36*	*1*
Terphenyl-d14 (Surr)	*56*		*20 - 117*	*05/01/23 17:11*	*05/02/23 08:36*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*20 - 119*	*05/01/23 17:11*	*05/02/23 08:36*	*1*

Lab Sample ID: LCS 180-433929/2-A
Matrix: Solid
Analysis Batch: 433965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.667	0.443		mg/Kg		67	41 - 100
Acenaphthylene	0.667	0.430		mg/Kg		65	45 - 100
Anthracene	0.667	0.426		mg/Kg		64	47 - 100
Benzo[a]anthracene	0.667	0.405		mg/Kg		61	47 - 100
Benzo[a]pyrene	0.667	0.410		mg/Kg		61	45 - 101
Benzo[b]fluoranthene	0.667	0.419		mg/Kg		63	44 - 100
Benzo[g,h,i]perylene	0.667	0.420		mg/Kg		63	45 - 103
Benzo[k]fluoranthene	0.667	0.445		mg/Kg		67	43 - 100
Chrysene	0.667	0.407		mg/Kg		61	44 - 100
Dibenz(a,h)anthracene	0.667	0.442		mg/Kg		66	46 - 107
Dibenzofuran	0.667	0.412		mg/Kg		62	47 - 100
2,4-Dinitrotoluene	0.667	0.451		mg/Kg		68	48 - 106
1,4-Dioxane	0.667	0.413		mg/Kg		62	10 - 133
Fluoranthene	0.667	0.414		mg/Kg		62	49 - 102
Fluorene	0.667	0.416		mg/Kg		62	46 - 100
Hexachlorobenzene	0.667	0.356		mg/Kg		53	45 - 101
Hexachlorobutadiene	0.667	0.364		mg/Kg		55	38 - 110
Hexachloroethane	0.667	0.427		mg/Kg		64	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.434		mg/Kg		65	48 - 104
2-Methylphenol	0.667	0.455		mg/Kg		68	43 - 101
Methylphenol, 3 & 4	0.667	0.488		mg/Kg		73	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-433929/2-A
Matrix: Solid
Analysis Batch: 433965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	0.667	0.420		mg/Kg		63	43 - 100
Nitrobenzene	0.667	0.454		mg/Kg		68	43 - 107
Pentachlorophenol	1.33	0.745		mg/Kg		56	34 - 112
Phenanthrene	0.667	0.413		mg/Kg		62	46 - 100
Phenol	0.667	0.446		mg/Kg		67	42 - 103
Pyrene	0.667	0.453		mg/Kg		68	44 - 102
Pyridine	1.33	0.920		mg/Kg		69	25 - 109
2,4,5-Trichlorophenol	0.667	0.431		mg/Kg		65	47 - 108
2,4,6-Trichlorophenol	0.667	0.441		mg/Kg		66	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*35 - 105*
2-Fluorophenol (Surr)	*59*		*32 - 105*
Nitrobenzene-d5 (Surr)	*66*		*34 - 109*
Phenol-d5 (Surr)	*63*		*34 - 105*
Terphenyl-d14 (Surr)	*62*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*51*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-433896/1-A
Matrix: Solid
Analysis Batch: 433961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1221	ND		0.017	0.0059	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1232	ND		0.017	0.0041	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1242	ND		0.017	0.0024	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1248	ND		0.017	0.0040	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1254	ND		0.017	0.0050	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1260	ND		0.017	0.0047	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1262	ND		0.017	0.0059	mg/Kg		05/01/23 10:53	05/02/23 17:15	1
PCB-1268	ND		0.017	0.0022	mg/Kg		05/01/23 10:53	05/02/23 17:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*05/01/23 10:53*	*05/02/23 17:15*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*05/01/23 10:53*	*05/02/23 17:15*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*05/01/23 10:53*	*05/02/23 17:15*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*05/01/23 10:53*	*05/02/23 17:15*	*1*

Lab Sample ID: LCS 180-433896/2-A
Matrix: Solid
Analysis Batch: 433961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1.33	1.25		mg/Kg		93	43 - 136
PCB-1260	1.33	1.41		mg/Kg		106	55 - 128

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-433896/2-A
Matrix: Solid
Analysis Batch: 433961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433896

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	92		63 - 138
DCB Decachlorobiphenyl (Surr)	91		63 - 138
Tetrachloro-m-xylene (Surr)	88		55 - 135
Tetrachloro-m-xylene (Surr)	95		55 - 135

Lab Sample ID: LCSD 180-433896/3-A
Matrix: Solid
Analysis Batch: 433961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 433896

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1.33	1.23		mg/Kg		92	43 - 136	1	40
PCB-1260			1.33	1.39		mg/Kg		104	55 - 128	2	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		63 - 138
DCB Decachlorobiphenyl (Surr)	86		63 - 138
Tetrachloro-m-xylene (Surr)	86		55 - 135
Tetrachloro-m-xylene (Surr)	93		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-435389/1-A
Matrix: Solid
Analysis Batch: 435784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	3.6	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Beryllium	ND		0.40	0.11	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Cadmium	ND		0.50	0.073	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Chromium	ND		0.50	0.46	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Copper	ND		2.5	1.5	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Lead	ND		1.0	0.87	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Manganese	ND		1.5	0.28	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Nickel	ND		4.0	0.50	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Selenium	ND		1.0	0.46	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Silver	ND		0.50	0.10	mg/Kg		05/17/23 07:45	05/19/23 13:21	1
Zinc	ND		2.0	1.5	mg/Kg		05/17/23 07:45	05/19/23 13:21	1

Lab Sample ID: MB 180-435389/1-A
Matrix: Solid
Analysis Batch: 436021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		05/17/23 07:45	05/23/23 23:21	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-435389/2-A
Matrix: Solid
Analysis Batch: 435784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	100	100		mg/Kg		100	80 - 120
Beryllium	50.0	51.5		mg/Kg		103	80 - 120
Cadmium	50.0	50.2		mg/Kg		100	80 - 120
Chromium	50.0	50.4		mg/Kg		101	80 - 120
Copper	50.0	50.5		mg/Kg		101	80 - 120
Lead	50.0	48.7		mg/Kg		97	80 - 120
Manganese	50.0	49.7		mg/Kg		99	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	100	100		mg/Kg		100	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Zinc	25.0	26.3		mg/Kg		105	80 - 120

Lab Sample ID: LCS 180-435389/2-A
Matrix: Solid
Analysis Batch: 436021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	101		mg/Kg		101	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-434148/1-A
Matrix: Solid
Analysis Batch: 434463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 434148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		05/05/23 11:15	05/06/23 11:48	1

Lab Sample ID: LCS 180-434148/2-A
Matrix: Solid
Analysis Batch: 434463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.421		mg/Kg		101	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-155685-6 DU
Matrix: Solid
Analysis Batch: 433823

Client Sample ID: SSHS-IRM5A2-A11C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.1		8.7		%		5	10
Percent Solids	90.9		91.3		%		0.5	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-434293/1-A
Matrix: Solid
Analysis Batch: 434474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 434293

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		05/04/23 16:22	05/06/23 16:22	1

Lab Sample ID: LCSI 180-434293/3-A
Matrix: Solid
Analysis Batch: 434474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434293

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	708	708		mg/Kg		100	80 - 120

Lab Sample ID: LCSS 180-434293/2-A
Matrix: Solid
Analysis Batch: 434474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434293

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	20.0	31.5	*+	mg/Kg		157	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-434824/4-A
Matrix: Solid
Analysis Batch: 434876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 434824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		05/10/23 17:00	05/10/23 21:19	1

Lab Sample ID: HLCS 180-434824/2-A
Matrix: Solid
Analysis Batch: 434876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434824

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.247		mg/Kg		99	90 - 110

Lab Sample ID: LCS 180-434824/3-A
Matrix: Solid
Analysis Batch: 434876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	98.0		mg/Kg		82	17 - 163

Lab Sample ID: LLCS 180-434824/1-A
Matrix: Solid
Analysis Batch: 434876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434824

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0515		mg/Kg		103	90 - 110

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: 180-155685-3 MS
Matrix: Solid
Analysis Batch: 434876

Client Sample ID: SSHS-IRM5A2-A10C
Prep Type: Total/NA
Prep Batch: 434824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND		4.12	3.77		mg/Kg	☼	92	75 - 125

Lab Sample ID: 180-155685-3 MSD
Matrix: Solid
Analysis Batch: 434876

Client Sample ID: SSHS-IRM5A2-A10C
Prep Type: Total/NA
Prep Batch: 434824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND		4.66	4.21		mg/Kg	☼	90	75 - 125	11	20

GC/MS VOA

Prep Batch: 433599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-1	SSHS-IRM5A2-A10A	Total/NA	Solid	5035	
180-155685-2	SSHS-IRM5A2-A10B	Total/NA	Solid	5035	
180-155685-4	SSHS-IRM5A2-A11A	Total/NA	Solid	5035	
180-155685-5	SSHS-IRM5A2-A11B	Total/NA	Solid	5035	

Analysis Batch: 433847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-1	SSHS-IRM5A2-A10A	Total/NA	Solid	EPA 8260C	433599
180-155685-2	SSHS-IRM5A2-A10B	Total/NA	Solid	EPA 8260C	433599
180-155685-4	SSHS-IRM5A2-A11A	Total/NA	Solid	EPA 8260C	433599
180-155685-5	SSHS-IRM5A2-A11B	Total/NA	Solid	EPA 8260C	433599
MB 180-433847/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433847/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-433847/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Prep Batch: 433929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	3541	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	3541	
MB 180-433929/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-433929/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 433965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 8270D LL	433929
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 8270D LL	433929
MB 180-433929/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	433929
LCS 180-433929/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	433929

GC Semi VOA

Prep Batch: 433896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	3541	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	3541	
MB 180-433896/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-433896/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-433896/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 433949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	3665A	433896
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	3665A	433896

Cleanup Batch: 433950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	3660B	433949
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	3660B	433949

GC Semi VOA

Analysis Batch: 433961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 8082A	433950
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 8082A	433950
MB 180-433896/1-A	Method Blank	Total/NA	Solid	EPA 8082A	433896
LCS 180-433896/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	433896
LCSD 180-433896/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	433896

Metals

Prep Batch: 434148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	7471B	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	7471B	
MB 180-434148/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-434148/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 434463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 7471B	434148
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 7471B	434148
MB 180-434148/1-A	Method Blank	Total/NA	Solid	EPA 7471B	434148
LCS 180-434148/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	434148

Prep Batch: 435389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	3050B	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	3050B	
MB 180-435389/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-435389/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 435784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 6010C	435389
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 6010C	435389
MB 180-435389/1-A	Method Blank	Total/NA	Solid	EPA 6010C	435389
LCS 180-435389/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	435389

Analysis Batch: 436021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 6010C	435389
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 6010C	435389
MB 180-435389/1-A	Method Blank	Total/NA	Solid	EPA 6010C	435389
LCS 180-435389/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	435389

General Chemistry

Analysis Batch: 433823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-1	SSHS-IRM5A2-A10A	Total/NA	Solid	2540G	
180-155685-2	SSHS-IRM5A2-A10B	Total/NA	Solid	2540G	
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	2540G	
180-155685-4	SSHS-IRM5A2-A11A	Total/NA	Solid	2540G	
180-155685-5	SSHS-IRM5A2-A11B	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 433823 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	2540G	
180-155685-6 DU	SSHS-IRM5A2-A11C	Total/NA	Solid	2540G	

Prep Batch: 434293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	3060A	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	3060A	
MB 180-434293/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-434293/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-434293/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 434474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 7196A	434293
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 7196A	434293
MB 180-434293/1-A	Method Blank	Total/NA	Solid	EPA 7196A	434293
LCSI 180-434293/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	434293
LCSS 180-434293/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	434293

Prep Batch: 434824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	9010C	
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	9010C	
MB 180-434824/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-434824/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-434824/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-434824/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-155685-3 MS	SSHS-IRM5A2-A10C	Total/NA	Solid	9010C	
180-155685-3 MSD	SSHS-IRM5A2-A10C	Total/NA	Solid	9010C	

Analysis Batch: 434876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155685-3	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 9014	434824
180-155685-6	SSHS-IRM5A2-A11C	Total/NA	Solid	EPA 9014	434824
MB 180-434824/4-A	Method Blank	Total/NA	Solid	EPA 9014	434824
HLCS 180-434824/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	434824
LCS 180-434824/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	434824
LLCS 180-434824/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	434824
180-155685-3 MS	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 9014	434824
180-155685-3 MSD	SSHS-IRM5A2-A10C	Total/NA	Solid	EPA 9014	434824

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A10A	4/26/23	1620	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A10B	4/26/23	1620	G	Solid	N	N	X										4	
SSHS-IRM5A2-A10C	4/26/23	1620	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A11A	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11B	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11C	4/26/23	1625	C	Solid	N	N		X		X		X	X	X	X	X	6	

180-155685 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4/26/23		[signature]	4-27-23 1012	EPI-PITT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A10A	4/26/23	1620	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A10B	4/26/23	1620	G	Solid	N	N	X										4	
SSHS-IRM5A2-A10C	4/26/23	1620	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A11A	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11B	4/26/23	1625	G	Solid	N	N	X										4	
SSHS-IRM5A2-A11C	4/26/23	1625	C	Solid	N	N		X		X		X	X	X	X	X	6	

180-155685 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 4/27/23	Company	Received by:	Date/Time: 4/27/23 0940	Company FEDEx
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1869240 | Cooler Temperature(s) °C and Other Remarks: 0.6°c

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes



Job: _____

Tracking # : 7119 1527 2468

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice ~~_____~~ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1869240

Cooler ID: _____

Temp Observed: 0.6 °C Corrected: 0.6 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 4/27/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 4/27/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 4/27/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155685-1

Login Number: 155685
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-157083-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-157083-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157083-2

Receipt
The samples were received on 5/25/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.3º C and 5.9º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-157083-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157083-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23 *
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157083-3	SSHS-IRM5A2-A12C	Solid	05/24/23 13:30	05/25/23 09:50
180-157083-6	SSHS-IRM5A2-A13C	Solid	05/24/23 13:35	05/25/23 09:50

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-2

Client Sample ID: SSHS-IRM5A2-A12C

Lab Sample ID: 180-157083-3
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	679352	05/31/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	679527	06/02/23 05:42	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A13C

Lab Sample ID: 180-157083-6
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	679352	05/31/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	679527	06/02/23 05:52	S1M	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-2

Client Sample ID: SSHS-IRM5A2-A12C
Date Collected: 05/24/23 13:30
Date Received: 05/25/23 09:50

Lab Sample ID: 180-157083-3
Matrix: Solid
Percent Solids: 95.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	05/31/23 20:00	06/02/23 05:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C5 PFPeA	*76*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C2 PFHxA	*71*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C4 PFHpA	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C4 PFOA	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C5 PFNA	*81*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C2 PFDA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C2 PFUnA	*76*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C2 PFDoA	*75*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C3 PFBS	*50*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
18O2 PFHxS	*53*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C4 PFOS	*54*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
13C8 FOSA	*83*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
d3-NMeFOSAA	*65*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
d5-NEtFOSAA	*74*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
M2-6:2 FTS	*37*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*
M2-8:2 FTS	*50*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:42*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-157083-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A13C
Lab Sample ID: 180-157083-6
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	05/31/23 20:00	06/02/23 05:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C5 PFPeA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C2 PFHxA	*75*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C4 PFHpA	*82*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C4 PFOA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C5 PFNA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C2 PFDA	*83*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C2 PFUnA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C2 PFDoA	*77*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C3 PFBS	*47*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
18O2 PFHxS	*51*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C4 PFOS	*54*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
13C8 FOSA	*84*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
d3-NMeFOSAA	*65*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
d5-NEtFOSAA	*76*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
M2-6:2 FTS	*36*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*
M2-8:2 FTS	*53*		*25 - 150*	*05/31/23 20:00*	*06/02/23 05:52*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-679352/1-A
Matrix: Solid
Analysis Batch: 679527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679352

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
6:2 FTS	ND		0.20	0.027	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
8:2 FTS	ND		0.20	0.035	ug/Kg		05/31/23 20:00	06/02/23 03:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C5 PFPeA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFHxA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C4 PFHpA	*94*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C4 PFOA	*88*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C5 PFNA	*91*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFDA	*93*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFUnA	*86*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFDoA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C3 PFBS	*87*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
18O2 PFHxS	*92*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C4 PFOS	*90*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C8 FOSA	*100*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-679352/2-A
Matrix: Solid
Analysis Batch: 679527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679352

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.90		ug/Kg		95	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.09		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.05		ug/Kg		102	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.06		ug/Kg		103	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.12		ug/Kg		106	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.21		ug/Kg		110	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.12		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.26		ug/Kg		113	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.91		ug/Kg		95	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.14		ug/Kg		107	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.87		ug/Kg		105	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.82		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.99		ug/Kg		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.78		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.96		ug/Kg		101	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.03		ug/Kg		102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.29		ug/Kg		115	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.41		ug/Kg		120	72 - 132
6:2 FTS	1.90	1.96		ug/Kg		103	73 - 139
8:2 FTS	1.92	1.99		ug/Kg		104	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*90*		*25 - 150*
13C5 PFPeA	*85*		*25 - 150*
13C2 PFHxA	*82*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*89*		*25 - 150*
13C2 PFDA	*84*		*25 - 150*
13C2 PFUnA	*81*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*
13C2 PFTeDA	*85*		*25 - 150*
13C3 PFBS	*85*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*92*		*25 - 150*
d3-NMeFOSAA	*76*		*25 - 150*
d5-NEtFOSAA	*87*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-679352/2-A
Matrix: Solid
Analysis Batch: 679527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679352

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	66		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157083-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 679352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	SHAKE	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	SHAKE	
MB 320-679352/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-679352/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 679527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	537 (modified)	679352
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	537 (modified)	679352
MB 320-679352/1-A	Method Blank	Total/NA	Solid	537 (modified)	679352
LCS 320-679352/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	679352

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS			Total Number of containers	Special Instructions/Note:
			Preservation Code:		FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A12A	5/24/23	1330	G	Solid	N	N	X												4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A12B	5/24/23	1330	G	Solid	N	N	X												4	
SSHS-IRM5A2-A12C	5/24/23	1330	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A13A	5/24/23	1335	G	Solid	N	N	X												4	
SSHS-IRM5A2-A13B	5/24/23	1335	G	Solid	N	N	X												4	
SSHS-IRM5A2-A13C	5/24/23	1335	C	Solid	N	N		X		X		X	X	X	X	X			6	

180-157083 Chain of Custody

Possible Hazard Identification
Non-Hazard | Flammable | Skin Irritant | Poison B | Unknown | Radiological

Sa... (... samples are retained longer than 1 month)
Return To Client | Disposal By Lab | Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	5/24/23 17:00	Geosyntec		5/25/23 09:50	EAHN
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A12A	5/24/23	1330	G	Solid	N	N	X										4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A12B	5/24/23	1330	G	Solid	N	N	X										4	
SSHS-IRM5A2-A12C	5/24/23	1330	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-A13A	5/24/23	1335	G	Solid	N	N	X										4	
SSHS-IRM5A2-A13B	5/24/23	1335	G	Solid	N	N	X										4	
SSHS-IRM5A2-A13C	5/24/23	1335	C	Solid	N	N		X		X		X	X	X	X	X	6	

180-157083 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable | Skin Irritant | Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	5/24/23 17:00	Geosyntec		5/25/23 930	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 18692.36

Cooler Temperature(s) °C and Other Remarks: 5.3

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-157083 Field Sheet

Tracking # : 7722 0151 3130

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1869736

Cooler ID: _____

Temp Observed: 5.3 °C Corrected: 5.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 5/25/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: GP Date: 5-25-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: GP Date: 5-25-23

WR3 15A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157083-2

Login Number: 157083
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157083-2

Login Number: 157083
List Number: 2
Creator: Pratali, Sandra A

List Source: Eurofins Sacramento
List Creation: 05/25/23 09:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1869236
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 6/15/2023 9:29:25 AM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-157083-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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6/15/2023 9:29:25 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-157083-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157083-1

Receipt
The samples were received on 5/25/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.3º C and 5.9º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-436308 was above the control limits for the following analytes: Acetone and 2-Butanone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-436308 was above criteria for the following analyte: 1,4-Dioxane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The method blank (MB 180-436248/1-A) had the recovery of surrogate decachlorobiphenyl below the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The laboratory control sample (LCS 180-436248/2-A) had the recoveries of surrogate decachlorobiphenyl below the control limits on both columns. The recoveries of tetrachloro-m-xylene and aroclors 1016 and 1260 were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCV 180-436281/1) was above criteria for aroclor 1254 on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCV 180-436281/4) was above criteria for aroclor 1248 on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCVIS 180-436281/5) was above criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCVIS 180-436281/26) was above criteria for aroclor 1260 on column RTX-CLP1. As the CCV was high and aroclor 1260 was not detected in the associated samples, the results were reported.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCVIS 180-436281/26) was below criteria for surrogate decachlorobiphenyl on both columns and above criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: The following sample was diluted for arsenic, cadmium, and lead due to inter-element corrections associated with iron and the concentration of iron being over the instrument's linear range: SSHS-IRM5A2-A13C (180-157083-6). Elevated reporting limits (RLs) are provided.

Method 6010C: The continuing calibration verification (CCV) associated with batch 180-437492 (CCV 180-437492/196) recovered above the control limit for silver. As the samples associated with this CCV did not have silver detected, the results were reported.

Job ID: 180-157083-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: Geosyntec Consultants Inc
Job ID: 180-157083-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157083-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157083-1	SSHS-IRM5A2-A12A	Solid	05/24/23 13:30	05/25/23 09:50
180-157083-2	SSHS-IRM5A2-A12B	Solid	05/24/23 13:30	05/25/23 09:50
180-157083-3	SSHS-IRM5A2-A12C	Solid	05/24/23 13:30	05/25/23 09:50
180-157083-4	SSHS-IRM5A2-A13A	Solid	05/24/23 13:35	05/25/23 09:50
180-157083-5	SSHS-IRM5A2-A13B	Solid	05/24/23 13:35	05/25/23 09:50
180-157083-6	SSHS-IRM5A2-A13C	Solid	05/24/23 13:35	05/25/23 09:50

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-1

Client Sample ID: SSHS-IRM5A2-A12A
Lab Sample ID: 180-157083-1
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A12A
Lab Sample ID: 180-157083-1
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2628 g	5 mL	436339	05/26/23 07:54	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436308	05/26/23 14:04	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A12B
Lab Sample ID: 180-157083-2
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A12B
Lab Sample ID: 180-157083-2
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	436339	05/26/23 07:54	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436308	05/26/23 14:27	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A12C
Lab Sample ID: 180-157083-3
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A12C
Lab Sample ID: 180-157083-3
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	0.5 mL	436245	05/25/23 16:18	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	436298	05/26/23 20:11	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-1

Client Sample ID: SSHS-IRM5A2-A12C

Lab Sample ID: 180-157083-3
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 15:56	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.71 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 20:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.71 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	436487	05/30/23 12:30	HCY	EET PIT
Total/NA	Analysis	EPA 7471B		1			436609	05/31/23 09:13	RJR	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	436234	05/25/23 14:43	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	436608	05/31/23 10:58	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.27 g	10 mL	436317	05/26/23 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			436406	05/29/23 12:09	CMR	EET PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A13A

Lab Sample ID: 180-157083-4
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A13A

Lab Sample ID: 180-157083-4
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2264 g	5 mL	436339	05/26/23 07:54	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436308	05/26/23 21:38	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A13B

Lab Sample ID: 180-157083-5
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157083-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A13B
Lab Sample ID: 180-157083-5
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0605 g	5 mL	436339	05/26/23 07:54	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436308	05/26/23 15:12	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A13C
Lab Sample ID: 180-157083-6
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A13C
Lab Sample ID: 180-157083-6
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	436245	05/25/23 16:18	JSM	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	436441	05/30/23 17:39	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 16:14	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.82 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 20:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.82 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		2			437755	06/12/23 20:02	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.82 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		2			437908	06/13/23 18:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	436487	05/30/23 12:30	HCY	EET PIT
Total/NA	Analysis	EPA 7471B		1			436609	05/31/23 09:14	RJR	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.46 g	100 mL	436234	05/25/23 14:43	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	436608	05/31/23 10:59	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.23 g	10 mL	436317	05/26/23 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			436406	05/29/23 12:11	CMR	EET PIT
	Instrument ID: SEAL1									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-1

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CMC = Candace California
  - CMR = Carl Reagle
  - HCY = Harrison Yaeger
  - JSM = Joseph Moore
  - PJJ = Patrick Journet
  - S1Z = Sage Ziviello
- Batch Type: Analysis
  - AAS = Arianna Swick
  - CMC = Candace California
  - CMR = Carl Reagle
  - ELS = Edwin Shireman
  - JMO = John Oravec
  - PJJ = Patrick Journet
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A12A
Lab Sample ID: 180-157083-1

Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 97.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.024	0.0038	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
2-Butanone (MEK)	ND	*1	0.024	0.0025	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Chloroform	ND		0.0049	0.0033	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,4-Dioxane	ND		0.97	0.074	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1
Xylenes, Total	ND		0.0097	0.0070	mg/Kg	☼	05/26/23 07:54	05/26/23 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*05/26/23 07:54*	*05/26/23 14:04*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*05/26/23 07:54*	*05/26/23 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*05/26/23 07:54*	*05/26/23 14:04*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*05/26/23 07:54*	*05/26/23 14:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.6**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**97.4**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: SSHS-IRM5A2-A12B
Lab Sample ID: 180-157083-2

Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 99.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.025	0.0039	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1

Client Sample ID: SSHS-IRM5A2-A12B
Lab Sample ID: 180-157083-2

Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 99.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*1	0.025	0.0026	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Chloroform	ND		0.0050	0.0034	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,4-Dioxane	ND		1.0	0.076	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	05/26/23 07:54	05/26/23 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*05/26/23 07:54*	*05/26/23 14:27*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*05/26/23 07:54*	*05/26/23 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*05/26/23 07:54*	*05/26/23 14:27*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*05/26/23 07:54*	*05/26/23 14:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.0**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**99.0**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: SSHS-IRM5A2-A12C
Lab Sample ID: 180-157083-3

Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0068	0.0020	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Acenaphthylene	ND		0.0068	0.0015	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Anthracene	ND		0.0068	0.0018	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Benzo[a]anthracene	ND		0.0068	0.0031	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1

Client Sample ID: SSHS-IRM5A2-A12C
Lab Sample ID: 180-157083-3

Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0068	0.0029	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Benzo[b]fluoranthene	ND		0.0068	0.0017	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Benzo[g,h,i]perylene	ND		0.0068	0.0015	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Benzo[k]fluoranthene	ND		0.0068	0.0020	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Chrysene	ND		0.0068	0.0038	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Dibenz(a,h)anthracene	ND		0.0068	0.0044	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
2,4-Dinitrotoluene	ND		0.034	0.020	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
1,4-Dioxane	ND		0.068	0.011	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Fluoranthene	ND		0.0068	0.0018	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Fluorene	ND		0.0068	0.0013	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Hexachlorobenzene	ND		0.0068	0.0024	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Hexachlorobutadiene	ND		0.0068	0.0020	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Indeno[1,2,3-cd]pyrene	ND		0.0068	0.0034	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
2-Methylphenol	ND		0.034	0.0097	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Naphthalene	ND		0.0068	0.0013	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Nitrobenzene	ND		0.068	0.012	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Pentachlorophenol	ND		0.17	0.055	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Phenanthrene	**0.0022**	**J**	0.0068	0.0018	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Phenol	ND		0.034	0.010	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Pyrene	ND		0.0068	0.0016	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
Pyridine	ND		0.068	0.018	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1
2,4,6-Trichlorophenol	ND		0.034	0.011	mg/Kg	☼	05/25/23 16:18	05/26/23 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*05/25/23 16:18*	*05/26/23 20:11*	*1*
2-Fluorophenol (Surr)	*64*		*32 - 105*	*05/25/23 16:18*	*05/26/23 20:11*	*1*
Nitrobenzene-d5 (Surr)	*90*		*34 - 109*	*05/25/23 16:18*	*05/26/23 20:11*	*1*
Phenol-d5 (Surr)	*81*		*34 - 105*	*05/25/23 16:18*	*05/26/23 20:11*	*1*
Terphenyl-d14 (Surr)	*82*		*20 - 117*	*05/25/23 16:18*	*05/26/23 20:11*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*05/25/23 16:18*	*05/26/23 20:11*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1248	ND		0.017	0.0042	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	05/25/23 16:34	05/26/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:56*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:56*	*1*

Client Sample ID: SSHS-IRM5A2-A12C
Lab Sample ID: 180-157083-3
Date Collected: 05/24/23 13:30
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:56*	*1*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:56*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**		0.74	0.46	mg/Kg	☼	05/26/23 07:23	06/12/23 19:57	1
Barium	**100**		15	2.6	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Beryllium	**0.52**		0.29	0.080	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Cadmium	**0.75**		0.37	0.054	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Chromium	**16**		0.37	0.34	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Copper	**27**		1.8	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Lead	**27**		0.74	0.64	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Manganese	**520**		1.1	0.20	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Nickel	**30**		2.9	0.37	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Selenium	ND		0.74	0.34	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Silver	ND	^+	0.37	0.077	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1
Zinc	**66**		1.5	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 20:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	05/30/23 12:30	05/31/23 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.4**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**95.6**		0.1	0.1	%			05/31/23 15:54	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.42	0.22	mg/Kg	☼	05/25/23 14:43	05/31/23 10:58	1
Cyanide, Total (SW846 EPA 9014)	ND		0.39	0.29	mg/Kg	☼	05/26/23 11:00	05/29/23 12:09	1

Client Sample ID: SSHS-IRM5A2-A13A
Lab Sample ID: 180-157083-4
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.012**	**J *1**	0.025	0.0038	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
2-Butanone (MEK)	ND	*1	0.025	0.0025	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Chloroform	ND		0.0049	0.0033	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,2-Dichlorobenzene	ND		0.0049	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,4-Dioxane	ND		0.99	0.075	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1

Client Sample ID: SSHS-IRM5A2-A13A

Lab Sample ID: 180-157083-4

Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
N-Propylbenzene	ND		0.0049	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1
Xylenes, Total	ND		0.0099	0.0071	mg/Kg	☼	05/26/23 07:54	05/26/23 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*05/26/23 07:54*	*05/26/23 21:38*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*05/26/23 07:54*	*05/26/23 21:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*05/26/23 07:54*	*05/26/23 21:38*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*	*05/26/23 07:54*	*05/26/23 21:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.0**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**97.0**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: SSHS-IRM5A2-A13B

Lab Sample ID: 180-157083-5

Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.026	0.0040	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Benzene	ND		0.0051	0.0014	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
2-Butanone (MEK)	ND	*1	0.026	0.0026	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Chloroform	ND		0.0051	0.0034	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
cis-1,2-Dichloroethene	ND		0.0051	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,4-Dioxane	ND		1.0	0.078	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1

Client Sample ID: SSHS-IRM5A2-A13B
Lab Sample ID: 180-157083-5

Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
n-Butylbenzene	ND		0.0051	0.0026	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	05/26/23 07:54	05/26/23 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*05/26/23 07:54*	*05/26/23 15:12*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*05/26/23 07:54*	*05/26/23 15:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*05/26/23 07:54*	*05/26/23 15:12*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*05/26/23 07:54*	*05/26/23 15:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.9**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**96.1**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: SSHS-IRM5A2-A13C
Lab Sample ID: 180-157083-6

Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Chrysene	ND		0.0070	0.0038	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Dibenz(a,h)anthracene	ND		0.0070	0.0044	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
1,4-Dioxane	ND		0.069	0.011	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Fluoranthene	ND		0.0070	0.0018	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-157083-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A13C
Lab Sample ID: 180-157083-6
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
2-Methylphenol	ND		0.034	0.0099	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Nitrobenzene	ND		0.069	0.013	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Phenol	ND		0.034	0.010	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Pyrene	ND		0.0070	0.0016	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	05/25/23 16:18	05/30/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*05/25/23 16:18*	*05/30/23 17:39*	*1*
2-Fluorophenol (Surr)	*72*		*32 - 105*	*05/25/23 16:18*	*05/30/23 17:39*	*1*
Nitrobenzene-d5 (Surr)	*75*		*34 - 109*	*05/25/23 16:18*	*05/30/23 17:39*	*1*
Phenol-d5 (Surr)	*73*		*34 - 105*	*05/25/23 16:18*	*05/30/23 17:39*	*1*
Terphenyl-d14 (Surr)	*86*		*20 - 117*	*05/25/23 16:18*	*05/30/23 17:39*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*20 - 119*	*05/25/23 16:18*	*05/30/23 17:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1248	ND		0.017	0.0041	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	05/25/23 16:34	05/26/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*05/25/23 16:34*	*05/26/23 16:14*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*05/25/23 16:34*	*05/26/23 16:14*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*05/25/23 16:34*	*05/26/23 16:14*	*1*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*05/25/23 16:34*	*05/26/23 16:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		1.3	0.80	mg/Kg	☼	05/26/23 07:23	06/12/23 20:02	2
Barium	**100**		13	2.3	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Beryllium	**0.52**		0.26	0.070	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Cadmium	**0.77**		0.64	0.094	mg/Kg	☼	05/26/23 07:23	06/12/23 20:02	2
Chromium	**16**		0.32	0.29	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Copper	**26**		1.6	0.96	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Lead	**17**		1.3	1.1	mg/Kg	☼	05/26/23 07:23	06/13/23 18:05	2
Manganese	**520**		0.96	0.18	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Nickel	**31**		2.6	0.32	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-157083-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A13C
Lab Sample ID: 180-157083-6
Date Collected: 05/24/23 13:35
Matrix: Solid
Date Received: 05/25/23 09:50
Percent Solids: 95.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.64	0.29	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Silver	ND	^+	0.32	0.066	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1
Zinc	**63**		1.3	0.93	mg/Kg	☼	05/26/23 07:23	06/08/23 20:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.020	mg/Kg	☼	05/30/23 12:30	05/31/23 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.4**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**95.6**		0.1	0.1	%			05/31/23 15:54	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	05/25/23 14:43	05/31/23 10:59	1
Cyanide, Total (SW846 EPA 9014)	ND		0.45	0.35	mg/Kg	☼	05/26/23 11:00	05/29/23 12:11	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-436308/8
Matrix: Solid
Analysis Batch: 436308

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.0039	mg/Kg			05/26/23 13:41	1
Benzene	ND		0.0050	0.0014	mg/Kg			05/26/23 13:41	1
2-Butanone (MEK)	ND		0.025	0.0025	mg/Kg			05/26/23 13:41	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			05/26/23 13:41	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			05/26/23 13:41	1
Chloroform	ND		0.0050	0.0034	mg/Kg			05/26/23 13:41	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			05/26/23 13:41	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			05/26/23 13:41	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			05/26/23 13:41	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			05/26/23 13:41	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			05/26/23 13:41	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			05/26/23 13:41	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			05/26/23 13:41	1
1,4-Dioxane	ND		1.0	0.076	mg/Kg			05/26/23 13:41	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			05/26/23 13:41	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			05/26/23 13:41	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			05/26/23 13:41	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			05/26/23 13:41	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			05/26/23 13:41	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			05/26/23 13:41	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			05/26/23 13:41	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			05/26/23 13:41	1
Toluene	ND		0.0050	0.0014	mg/Kg			05/26/23 13:41	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			05/26/23 13:41	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			05/26/23 13:41	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			05/26/23 13:41	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			05/26/23 13:41	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			05/26/23 13:41	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			05/26/23 13:41	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			05/26/23 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*05/26/23 13:41*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*		*05/26/23 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*		*05/26/23 13:41*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*05/26/23 13:41*	*1*

Lab Sample ID: LCS 180-436308/3
Matrix: Solid
Analysis Batch: 436308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0400	0.0193	J	mg/Kg		48	23 - 170
Benzene	0.0400	0.0383		mg/Kg		96	77 - 120
2-Butanone (MEK)	0.0400	0.0213	J	mg/Kg		53	39 - 157
Carbon tetrachloride	0.0400	0.0371		mg/Kg		93	73 - 130
Chlorobenzene	0.0400	0.0368		mg/Kg		92	79 - 122
Chloroform	0.0400	0.0389		mg/Kg		97	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-436308/3
Matrix: Solid
Analysis Batch: 436308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0385		mg/Kg		96	77 - 118
1,2-Dichlorobenzene	0.0400	0.0362		mg/Kg		91	76 - 120
1,3-Dichlorobenzene	0.0400	0.0374		mg/Kg		93	77 - 121
1,4-Dichlorobenzene	0.0400	0.0371		mg/Kg		93	79 - 120
1,1-Dichloroethane	0.0400	0.0375		mg/Kg		94	73 - 124
1,2-Dichloroethane	0.0400	0.0346		mg/Kg		87	64 - 140
1,1-Dichloroethene	0.0400	0.0379		mg/Kg		95	55 - 136
1,4-Dioxane	0.800	0.589	J	mg/Kg		74	18 - 166
Ethylbenzene	0.0400	0.0378		mg/Kg		95	79 - 119
Methylene Chloride	0.0400	0.0394		mg/Kg		98	67 - 131
Methyl tert-butyl ether	0.0400	0.0313		mg/Kg		78	58 - 132
n-Butylbenzene	0.0400	0.0382		mg/Kg		96	64 - 136
N-Propylbenzene	0.0400	0.0394		mg/Kg		99	71 - 127
sec-Butylbenzene	0.0400	0.0385		mg/Kg		96	65 - 130
tert-Butylbenzene	0.0400	0.0385		mg/Kg		96	69 - 133
Tetrachloroethene	0.0400	0.0387		mg/Kg		97	71 - 121
Toluene	0.0400	0.0372		mg/Kg		93	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0396		mg/Kg		99	75 - 122
1,1,1-Trichloroethane	0.0400	0.0374		mg/Kg		94	72 - 134
Trichloroethene	0.0400	0.0389		mg/Kg		97	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0383		mg/Kg		96	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0390		mg/Kg		97	69 - 131
Vinyl chloride	0.0400	0.0370		mg/Kg		93	64 - 134
Xylenes, Total	0.0800	0.0750		mg/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: LCSD 180-436308/4
Matrix: Solid
Analysis Batch: 436308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0400	0.0329	*1	mg/Kg		82	23 - 170	52	35
Benzene	0.0400	0.0393		mg/Kg		98	77 - 120	3	20
2-Butanone (MEK)	0.0400	0.0314	*1	mg/Kg		79	39 - 157	38	33
Carbon tetrachloride	0.0400	0.0384		mg/Kg		96	73 - 130	4	21
Chlorobenzene	0.0400	0.0380		mg/Kg		95	79 - 122	3	20
Chloroform	0.0400	0.0403		mg/Kg		101	73 - 126	3	20
cis-1,2-Dichloroethene	0.0400	0.0403		mg/Kg		101	77 - 118	5	20
1,2-Dichlorobenzene	0.0400	0.0375		mg/Kg		94	76 - 120	3	20
1,3-Dichlorobenzene	0.0400	0.0376		mg/Kg		94	77 - 121	1	20
1,4-Dichlorobenzene	0.0400	0.0377		mg/Kg		94	79 - 120	2	20
1,1-Dichloroethane	0.0400	0.0388		mg/Kg		97	73 - 124	4	20
1,2-Dichloroethane	0.0400	0.0384		mg/Kg		96	64 - 140	10	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-436308/4
Matrix: Solid
Analysis Batch: 436308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0386		mg/Kg		97	55 - 136	2	21
1,4-Dioxane			0.800	0.773	J	mg/Kg		97	18 - 166	27	40
Ethylbenzene			0.0400	0.0380		mg/Kg		95	79 - 119	0	20
Methylene Chloride			0.0400	0.0433		mg/Kg		108	67 - 131	10	32
Methyl tert-butyl ether			0.0400	0.0371		mg/Kg		93	58 - 132	17	24
n-Butylbenzene			0.0400	0.0374		mg/Kg		93	64 - 136	2	21
N-Propylbenzene			0.0400	0.0376		mg/Kg		94	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0373		mg/Kg		93	65 - 130	3	20
tert-Butylbenzene			0.0400	0.0372		mg/Kg		93	69 - 133	3	23
Tetrachloroethene			0.0400	0.0380		mg/Kg		95	71 - 121	2	21
Toluene			0.0400	0.0375		mg/Kg		94	76 - 120	1	20
trans-1,2-Dichloroethene			0.0400	0.0404		mg/Kg		101	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0386		mg/Kg		97	72 - 134	3	20
Trichloroethene			0.0400	0.0401		mg/Kg		100	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0376		mg/Kg		94	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0379		mg/Kg		95	69 - 131	3	20
Vinyl chloride			0.0400	0.0381		mg/Kg		95	64 - 134	3	23
Xylenes, Total			0.0800	0.0768		mg/Kg		96	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-436245/1-A
Matrix: Solid
Analysis Batch: 436298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Anthracene	ND		0.0067	0.0017	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Chrysene	ND		0.0067	0.0037	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Fluorene	ND		0.0067	0.0013	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		05/25/23 16:18	05/26/23 13:35	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-436245/1-A
Matrix: Solid
Analysis Batch: 436298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Phenol	ND		0.033	0.010	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Pyrene	ND		0.0067	0.0016	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
Pyridine	ND		0.067	0.018	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		05/25/23 16:18	05/26/23 13:35	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		05/25/23 16:18	05/26/23 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*05/25/23 16:18*	*05/26/23 13:35*	*1*
2-Fluorophenol (Surr)	*68*		*32 - 105*	*05/25/23 16:18*	*05/26/23 13:35*	*1*
Nitrobenzene-d5 (Surr)	*82*		*34 - 109*	*05/25/23 16:18*	*05/26/23 13:35*	*1*
Phenol-d5 (Surr)	*75*		*34 - 105*	*05/25/23 16:18*	*05/26/23 13:35*	*1*
Terphenyl-d14 (Surr)	*70*		*20 - 117*	*05/25/23 16:18*	*05/26/23 13:35*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 119*	*05/25/23 16:18*	*05/26/23 13:35*	*1*

Lab Sample ID: LCS 180-436245/2-A
Matrix: Solid
Analysis Batch: 436298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.667	0.517		mg/Kg		78	41 - 100
Acenaphthylene	0.667	0.553		mg/Kg		83	45 - 100
Anthracene	0.667	0.520		mg/Kg		78	47 - 100
Benzo[a]anthracene	0.667	0.535		mg/Kg		80	47 - 100
Benzo[a]pyrene	0.667	0.556		mg/Kg		83	45 - 101
Benzo[b]fluoranthene	0.667	0.542		mg/Kg		81	44 - 100
Benzo[g,h,i]perylene	0.667	0.499		mg/Kg		75	45 - 103
Benzo[k]fluoranthene	0.667	0.478		mg/Kg		72	43 - 100
Chrysene	0.667	0.500		mg/Kg		75	44 - 100
Dibenz(a,h)anthracene	0.667	0.523		mg/Kg		78	46 - 107
Dibenzofuran	0.667	0.501		mg/Kg		75	47 - 100
2,4-Dinitrotoluene	0.667	0.564		mg/Kg		85	48 - 106
1,4-Dioxane	0.667	0.510		mg/Kg		76	10 - 133
Fluoranthene	0.667	0.537		mg/Kg		81	49 - 102
Fluorene	0.667	0.496		mg/Kg		74	46 - 100
Hexachlorobenzene	0.667	0.511		mg/Kg		77	45 - 101
Hexachlorobutadiene	0.667	0.481		mg/Kg		72	38 - 110
Hexachloroethane	0.667	0.472		mg/Kg		71	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.499		mg/Kg		75	48 - 104
2-Methylphenol	0.667	0.510		mg/Kg		76	43 - 101
Methylphenol, 3 & 4	0.667	0.508		mg/Kg		76	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-436245/2-A
Matrix: Solid
Analysis Batch: 436298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436245

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.667	0.494		mg/Kg		74	43 - 100		
Nitrobenzene			0.667	0.573		mg/Kg		86	43 - 107		
Pentachlorophenol			1.33	1.04		mg/Kg		78	34 - 112		
Phenanthrene			0.667	0.503		mg/Kg		75	46 - 100		
Phenol			0.667	0.527		mg/Kg		79	42 - 103		
Pyrene			0.667	0.565		mg/Kg		85	44 - 102		
Pyridine			1.33	1.13		mg/Kg		85	25 - 109		
2,4,5-Trichlorophenol			0.667	0.532		mg/Kg		80	47 - 108		
2,4,6-Trichlorophenol			0.667	0.564		mg/Kg		85	47 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*35 - 105*
2-Fluorophenol (Surr)	*78*		*32 - 105*
Nitrobenzene-d5 (Surr)	*85*		*34 - 109*
Phenol-d5 (Surr)	*80*		*34 - 105*
Terphenyl-d14 (Surr)	*81*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 119*

Lab Sample ID: LCSD 180-436245/3-A
Matrix: Solid
Analysis Batch: 436298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 436245

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			0.667	0.483		mg/Kg		72	41 - 100	7	22
Acenaphthylene			0.667	0.519		mg/Kg		78	45 - 100	6	23
Anthracene			0.667	0.496		mg/Kg		74	47 - 100	5	26
Benzo[a]anthracene			0.667	0.510		mg/Kg		76	47 - 100	5	24
Benzo[a]pyrene			0.667	0.516		mg/Kg		77	45 - 101	7	21
Benzo[b]fluoranthene			0.667	0.501		mg/Kg		75	44 - 100	8	26
Benzo[g,h,i]perylene			0.667	0.465		mg/Kg		70	45 - 103	7	22
Benzo[k]fluoranthene			0.667	0.461		mg/Kg		69	43 - 100	4	18
Chrysene			0.667	0.468		mg/Kg		70	44 - 100	7	26
Dibenz(a,h)anthracene			0.667	0.484		mg/Kg		73	46 - 107	8	24
Dibenzofuran			0.667	0.475		mg/Kg		71	47 - 100	5	19
2,4-Dinitrotoluene			0.667	0.531		mg/Kg		80	48 - 106	6	20
1,4-Dioxane			0.667	0.492		mg/Kg		74	10 - 133	4	40
Fluoranthene			0.667	0.504		mg/Kg		76	49 - 102	6	26
Fluorene			0.667	0.474		mg/Kg		71	46 - 100	4	22
Hexachlorobenzene			0.667	0.483		mg/Kg		73	45 - 101	6	27
Hexachlorobutadiene			0.667	0.448		mg/Kg		67	38 - 110	7	27
Hexachloroethane			0.667	0.465		mg/Kg		70	40 - 100	2	27
Indeno[1,2,3-cd]pyrene			0.667	0.470		mg/Kg		70	48 - 104	6	22
2-Methylphenol			0.667	0.490		mg/Kg		73	43 - 101	4	27
Methylphenol, 3 & 4			0.667	0.495		mg/Kg		74	43 - 104	3	24
Naphthalene			0.667	0.464		mg/Kg		70	43 - 100	6	28
Nitrobenzene			0.667	0.539		mg/Kg		81	43 - 107	6	28
Pentachlorophenol			1.33	0.975		mg/Kg		73	34 - 112	7	28
Phenanthrene			0.667	0.470		mg/Kg		70	46 - 100	7	27

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 180-436245/3-A
Matrix: Solid
Analysis Batch: 436298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 436245

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol			0.667	0.504		mg/Kg		76	42 - 103	5	30
Pyrene			0.667	0.529		mg/Kg		79	44 - 102	7	27
Pyridine			1.33	1.15		mg/Kg		86	25 - 109	2	31
2,4,5-Trichlorophenol			0.667	0.517		mg/Kg		78	47 - 108	3	19
2,4,6-Trichlorophenol			0.667	0.531		mg/Kg		80	47 - 108	6	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*75*		*32 - 105*
Nitrobenzene-d5 (Surr)	*78*		*34 - 109*
Phenol-d5 (Surr)	*76*		*34 - 105*
Terphenyl-d14 (Surr)	*74*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-436248/1-A
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1221	ND		0.017	0.0059	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1232	ND		0.017	0.0041	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1242	ND		0.017	0.0024	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1248	ND		0.017	0.0040	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1254	ND		0.017	0.0050	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1260	ND		0.017	0.0047	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1262	ND		0.017	0.0059	mg/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1268	ND		0.017	0.0022	mg/Kg		05/25/23 16:34	05/26/23 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 10:32*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*05/25/23 16:34*	*05/26/23 10:32*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*05/25/23 16:34*	*05/26/23 10:32*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*05/25/23 16:34*	*05/26/23 10:32*	*1*

Lab Sample ID: LCS 180-436248/2-A
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436248

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016			1.33	0.927		mg/Kg		69	43 - 136
PCB-1260			1.33	1.01		mg/Kg		76	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*48*	*S1-*	*63 - 138*
DCB Decachlorobiphenyl (Surr)	*55*	*S1-*	*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-436248/2-A
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436248

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-436289/1-A
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	3.6	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Beryllium	ND		0.40	0.11	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Cadmium	ND		0.50	0.073	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Chromium	ND		0.50	0.46	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Copper	ND		2.5	1.5	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Lead	ND		1.0	0.87	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Manganese	ND		1.5	0.28	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Nickel	ND		4.0	0.50	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Selenium	ND		1.0	0.46	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Silver	ND		0.50	0.10	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Zinc	ND		2.0	1.5	mg/Kg		05/26/23 07:23	06/08/23 18:30	1

Lab Sample ID: MB 180-436289/1-A
Matrix: Solid
Analysis Batch: 437755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		05/26/23 07:23	06/12/23 18:14	1

Lab Sample ID: LCS 180-436289/2-A
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	100	99.7		mg/Kg		100	80 - 120
Beryllium	50.0	47.1		mg/Kg		94	80 - 120
Cadmium	50.0	47.9		mg/Kg		96	80 - 120
Chromium	50.0	48.9		mg/Kg		98	80 - 120
Copper	50.0	52.4		mg/Kg		105	80 - 120
Lead	50.0	48.9		mg/Kg		98	80 - 120
Manganese	50.0	46.2		mg/Kg		92	80 - 120
Nickel	50.0	48.5		mg/Kg		97	80 - 120
Selenium	100	99.2		mg/Kg		99	80 - 120
Silver	25.0	24.6		mg/Kg		99	80 - 120
Zinc	25.0	24.7		mg/Kg		99	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-436289/2-A
Matrix: Solid
Analysis Batch: 437755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	98.4		mg/Kg		98	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-436487/1-A
Matrix: Solid
Analysis Batch: 436609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		05/30/23 12:30	05/31/23 08:45	1

Lab Sample ID: LCS 180-436487/2-A
Matrix: Solid
Analysis Batch: 436609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.408		mg/Kg		98	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-157083-3 DU
Matrix: Solid
Analysis Batch: 436662

Client Sample ID: SSHS-IRM5A2-A12C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.4		4.5		%		0.9	10
Percent Solids	95.6		95.5		%		0	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-436234/1-A
Matrix: Solid
Analysis Batch: 436608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		05/25/23 14:43	05/31/23 10:44	1

Lab Sample ID: LCSI 180-436234/3-A
Matrix: Solid
Analysis Batch: 436608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436234

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	708	679		mg/Kg		96	80 - 120

Lab Sample ID: LCSS 180-436234/2-A
Matrix: Solid
Analysis Batch: 436608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436234

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	20.0	19.8		mg/Kg		99	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-436317/4-A
Matrix: Solid
Analysis Batch: 436406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		05/26/23 11:00	05/29/23 11:28	1

Lab Sample ID: HLCS 180-436317/2-A
Matrix: Solid
Analysis Batch: 436406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436317

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.250		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-436317/3-A
Matrix: Solid
Analysis Batch: 436406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	112		mg/Kg		93	17 - 163

Lab Sample ID: LLCS 180-436317/1-A
Matrix: Solid
Analysis Batch: 436406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436317

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0511		mg/Kg		102	90 - 110

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-157083-1

GC/MS VOA

Analysis Batch: 436308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-1	SSHS-IRM5A2-A12A	Total/NA	Solid	EPA 8260C	436339
180-157083-2	SSHS-IRM5A2-A12B	Total/NA	Solid	EPA 8260C	436339
180-157083-4	SSHS-IRM5A2-A13A	Total/NA	Solid	EPA 8260C	436339
180-157083-5	SSHS-IRM5A2-A13B	Total/NA	Solid	EPA 8260C	436339
MB 180-436308/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-436308/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-436308/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 436339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-1	SSHS-IRM5A2-A12A	Total/NA	Solid	5035	
180-157083-2	SSHS-IRM5A2-A12B	Total/NA	Solid	5035	
180-157083-4	SSHS-IRM5A2-A13A	Total/NA	Solid	5035	
180-157083-5	SSHS-IRM5A2-A13B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 436245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	3541	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	3541	
MB 180-436245/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-436245/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-436245/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 436298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 8270D LL	436245
MB 180-436245/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	436245
LCS 180-436245/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	436245
LCSD 180-436245/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D LL	436245

Analysis Batch: 436441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 8270D LL	436245

GC Semi VOA

Prep Batch: 436248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	3541	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	3541	
MB 180-436248/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-436248/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 436275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	3665A	436248
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	3665A	436248

GC Semi VOA

Cleanup Batch: 436276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	3660B	436275
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	3660B	436275

Analysis Batch: 436281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 8082A	436276
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 8082A	436276
MB 180-436248/1-A	Method Blank	Total/NA	Solid	EPA 8082A	436248
LCS 180-436248/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	436248

Metals

Prep Batch: 436289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	3050B	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	3050B	
MB 180-436289/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-436289/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 436487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	7471B	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	7471B	
MB 180-436487/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-436487/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 436609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 7471B	436487
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 7471B	436487
MB 180-436487/1-A	Method Blank	Total/NA	Solid	EPA 7471B	436487
LCS 180-436487/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	436487

Analysis Batch: 437492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 6010C	436289
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 6010C	436289
MB 180-436289/1-A	Method Blank	Total/NA	Solid	EPA 6010C	436289
LCS 180-436289/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	436289

Analysis Batch: 437755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 6010C	436289
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 6010C	436289
MB 180-436289/1-A	Method Blank	Total/NA	Solid	EPA 6010C	436289
LCS 180-436289/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	436289

Analysis Batch: 437908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 6010C	436289

General Chemistry

Prep Batch: 436234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	3060A	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	3060A	
MB 180-436234/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-436234/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-436234/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 436317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	9010C	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	9010C	
MB 180-436317/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-436317/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-436317/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-436317/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 436406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 9014	436317
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 9014	436317
MB 180-436317/4-A	Method Blank	Total/NA	Solid	EPA 9014	436317
HLCS 180-436317/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	436317
LCS 180-436317/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	436317
LLCS 180-436317/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	436317

Analysis Batch: 436608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	EPA 7196A	436234
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	EPA 7196A	436234
MB 180-436234/1-A	Method Blank	Total/NA	Solid	EPA 7196A	436234
LCSI 180-436234/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	436234
LCSS 180-436234/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	436234

Analysis Batch: 436662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157083-1	SSHS-IRM5A2-A12A	Total/NA	Solid	2540G	
180-157083-2	SSHS-IRM5A2-A12B	Total/NA	Solid	2540G	
180-157083-3	SSHS-IRM5A2-A12C	Total/NA	Solid	2540G	
180-157083-4	SSHS-IRM5A2-A13A	Total/NA	Solid	2540G	
180-157083-5	SSHS-IRM5A2-A13B	Total/NA	Solid	2540G	
180-157083-6	SSHS-IRM5A2-A13C	Total/NA	Solid	2540G	
180-157083-3 DU	SSHS-IRM5A2-A12C	Total/NA	Solid	2540G	

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:		FJ	N	N	N	N	N	N	N	N	N							
SSHS-IRM5A2-A12A	5/24/23	1330	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A12B	5/24/23	1330	G	Solid	N	N	X													4	
SSHS-IRM5A2-A12C	5/24/23	1330	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A13A	5/24/23	1335	G	Solid	N	N	X													4	
SSHS-IRM5A2-A13B	5/24/23	1335	G	Solid	N	N	X													4	
SSHS-IRM5A2-A13C	5/24/23	1335	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-157083 Chain of Custody

Possible Hazard Identification
Non-Hazard | Flammable | Skin Irritant | Poison B | Unknown | Radiological

Sa... (... samples are retained longer than 1 month)
Return To Client | Disposal By Lab | Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	5/24/23 17:00	Geosyntec		5/25/23 09:50	EAHW
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A12A	5/24/23	1330	G	Solid	N	N	X													4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A12B	5/24/23	1330	G	Solid	N	N	X													4	
SSHS-IRM5A2-A12C	5/24/23	1330	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-A13A	5/24/23	1335	G	Solid	N	N	X													4	
SSHS-IRM5A2-A13B	5/24/23	1335	G	Solid	N	N	X													4	
SSHS-IRM5A2-A13C	5/24/23	1335	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-157083 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable | Skin Irritant | Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	5/24/23 17:00	Geosyntec		5/25/23 930	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 18692.36 | Cooler Temperature(s) °C and Other Remarks: 5.3

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-157083 Field Sheet

Tracking # : 7722 0151 3130

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1869736

Cooler ID: _____

Temp Observed: 5.3 °C Corrected: 5.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 5/25/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: GP Date: 5-25-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: GP Date: 5-25-23

WR3 15A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157083-1

Login Number: 157083
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/14/2023 10:08:14 AM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-161819-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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(412)963-2432

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Job ID: 180-161819-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161819-2

Receipt
The samples were received on 9/2/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. . The temperatures of the 3 coolers at receipt time were 2.6º C, 3.1º C and 5.0º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161819-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161819-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23 *
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161819-3	SSHS-IRM5A2-A14C	Solid	09/01/23 14:30	09/02/23 09:30
180-161819-6	SSHS-IRM5A2-A15C	Solid	09/01/23 14:45	09/02/23 09:30
180-161819-9	SSHS-IRM5A2-DUP17C	Solid	09/01/23 00:00	09/02/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-2

Client Sample ID: SSHS-IRM5A2-A14C

Lab Sample ID: 180-161819-3
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.15 g	10.0 mL	704599	09/07/23 19:29	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705291	09/11/23 22:22	RS1	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-A15C

Lab Sample ID: 180-161819-6
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.35 g	10.0 mL	704599	09/07/23 19:29	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705291	09/11/23 22:56	RS1	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-DUP17C

Lab Sample ID: 180-161819-9
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.17 g	10.0 mL	704599	09/07/23 19:29	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705291	09/11/23 23:07	RS1	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-161819-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A14C
Lab Sample ID: 180-161819-3
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/07/23 19:29	09/11/23 22:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C5 PFPeA	*81*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C2 PFHxA	*85*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C4 PFHpA	*94*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C4 PFOA	*93*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C5 PFNA	*99*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C2 PFDA	*93*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C2 PFUnA	*86*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C2 PFDoA	*92*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C3 PFBS	*55*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
18O2 PFHxS	*70*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C4 PFOS	*72*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
13C8 FOSA	*89*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
d3-NMeFOSAA	*49*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
d5-NEtFOSAA	*52*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
M2-6:2 FTS	*65*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*
M2-8:2 FTS	*70*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161819-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A15C
Lab Sample ID: 180-161819-6
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 94.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/07/23 19:29	09/11/23 22:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C5 PFPeA	*75*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C2 PFHxA	*79*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C4 PFHpA	*84*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C4 PFOA	*92*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C5 PFNA	*98*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C2 PFDA	*84*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C2 PFUnA	*81*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C2 PFDoA	*90*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C3 PFBS	*57*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
18O2 PFHxS	*64*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C4 PFOS	*67*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
13C8 FOSA	*85*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
d3-NMeFOSAA	*43*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
d5-NEtFOSAA	*51*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
M2-6:2 FTS	*58*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*
M2-8:2 FTS	*61*		*25 - 150*	*09/07/23 19:29*	*09/11/23 22:56*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161819-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-DUP17C
Lab Sample ID: 180-161819-9
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	09/07/23 19:29	09/11/23 23:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C5 PFPeA	*82*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C2 PFHxA	*89*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C4 PFHpA	*103*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C4 PFOA	*96*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C5 PFNA	*110*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C2 PFDA	*107*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C2 PFUnA	*97*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C2 PFDoA	*99*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C3 PFBS	*64*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
18O2 PFHxS	*72*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C4 PFOS	*70*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
13C8 FOSA	*97*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
d3-NMeFOSAA	*51*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
d5-NEtFOSAA	*57*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*
M2-8:2 FTS	*66*		*25 - 150*	*09/07/23 19:29*	*09/11/23 23:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-704599/1-A
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/07/23 19:29	09/11/23 19:57	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/07/23 19:29	09/11/23 19:57	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*39*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C5 PFPeA	*82*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C2 PFHxA	*86*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C4 PFHpA	*91*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C4 PFOA	*93*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C5 PFNA	*100*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C2 PFDA	*94*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C2 PFUnA	*84*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C2 PFDoA	*88*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C3 PFBS	*83*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
18O2 PFHxS	*83*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C4 PFOS	*89*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
13C8 FOSA	*92*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
d3-NMeFOSAA	*53*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
d5-NEtFOSAA	*64*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*09/07/23 19:29*	*09/11/23 19:57*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-704599/2-A
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.01		ug/Kg		100	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.96		ug/Kg		98	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.04		ug/Kg		102	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.93		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.23		ug/Kg		111	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.93		ug/Kg		96	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.05		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.72		ug/Kg		86	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.02		ug/Kg		101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.69		ug/Kg		95	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.64		ug/Kg		90	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.76		ug/Kg		92	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.79		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.63		ug/Kg		84	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.92		ug/Kg		96	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.12		ug/Kg		106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.07		ug/Kg		103	72 - 132
6:2 FTS	1.90	1.98		ug/Kg		104	73 - 139
8:2 FTS	1.92	2.11		ug/Kg		110	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*32*		*25 - 150*
13C5 PFPeA	*88*		*25 - 150*
13C2 PFHxA	*89*		*25 - 150*
13C4 PFHpA	*99*		*25 - 150*
13C4 PFOA	*104*		*25 - 150*
13C5 PFNA	*108*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*96*		*25 - 150*
13C2 PFDoA	*102*		*25 - 150*
13C2 PFTeDA	*88*		*25 - 150*
13C3 PFBS	*91*		*25 - 150*
18O2 PFHxS	*95*		*25 - 150*
13C4 PFOS	*98*		*25 - 150*
13C8 FOSA	*99*		*25 - 150*
d3-NMeFOSAA	*53*		*25 - 150*
d5-NEtFOSAA	*60*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-704599/2-A
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704599

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*93*		*25 - 150*
M2-8:2 FTS	*87*		*25 - 150*

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 704599

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.00	2.02		ug/Kg	☼	101	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.00	2.07		ug/Kg	☼	104	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.00	2.14		ug/Kg	☼	107	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.00	1.95		ug/Kg	☼	98	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.00	1.92		ug/Kg	☼	96	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.00	2.06		ug/Kg	☼	103	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.00	2.01		ug/Kg	☼	101	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.00	2.02		ug/Kg	☼	101	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.00	2.17		ug/Kg	☼	109	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.00	1.91		ug/Kg	☼	95	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.00	2.16		ug/Kg	☼	108	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.77	1.87		ug/Kg	☼	105	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.82	1.75		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.91	1.73		ug/Kg	☼	91	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.86	1.80		ug/Kg	☼	97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.93	1.65		ug/Kg	☼	86	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.00	1.90		ug/Kg	☼	95	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.00	2.07		ug/Kg	☼	104	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.00	2.20		ug/Kg	☼	110	72 - 132
6:2 FTS	ND		1.90	1.96		ug/Kg	☼	103	73 - 139
8:2 FTS	ND		1.92	2.20		ug/Kg	☼	115	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*79*		*25 - 150*
13C5 PFPeA	*82*		*25 - 150*
13C2 PFHxA	*83*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*96*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*90*		*25 - 150*
13C2 PFUnA	*88*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 704599

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	57		25 - 150
18O2 PFHxS	65		25 - 150
13C4 PFOS	73		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	45		25 - 150
d5-NEtFOSAA	48		25 - 150
M2-6:2 FTS	67		25 - 150
M2-8:2 FTS	58		25 - 150

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 704599

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		1.90	1.92		ug/Kg	☼	101	76 - 136	5	30
Perfluoropentanoic acid (PFPeA)	ND		1.90	2.02		ug/Kg	☼	106	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)	ND		1.90	1.99		ug/Kg	☼	105	71 - 131	7	30
Perfluoroheptanoic acid (PFHpA)	ND		1.90	1.78		ug/Kg	☼	94	71 - 131	9	30
Perfluorooctanoic acid (PFOA)	ND		1.90	2.15		ug/Kg	☼	113	72 - 132	11	30
Perfluorononanoic acid (PFNA)	ND		1.90	2.17		ug/Kg	☼	115	73 - 133	5	30
Perfluorodecanoic acid (PFDA)	ND		1.90	1.91		ug/Kg	☼	101	72 - 132	5	30
Perfluoroundecanoic acid (PFUnA)	ND		1.90	1.87		ug/Kg	☼	99	66 - 126	8	30
Perfluorododecanoic acid (PFDoA)	ND		1.90	1.94		ug/Kg	☼	102	71 - 131	11	30
Perfluorotridecanoic acid (PFTriA)	ND		1.90	1.74		ug/Kg	☼	92	71 - 131	9	30
Perfluorotetradecanoic acid (PFTeA)	ND		1.90	2.01		ug/Kg	☼	106	67 - 127	7	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.68	1.71		ug/Kg	☼	102	69 - 129	9	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.73	1.63		ug/Kg	☼	94	62 - 122	7	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.81	1.75		ug/Kg	☼	97	76 - 136	1	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.76	1.82		ug/Kg	☼	103	68 - 141	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.83	1.75		ug/Kg	☼	96	71 - 131	6	30
Perfluorooctanesulfonamide (FOSA)	ND		1.90	1.87		ug/Kg	☼	99	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.90	1.89		ug/Kg	☼	100	72 - 132	9	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.90	1.92		ug/Kg	☼	101	72 - 132	14	30
6:2 FTS	ND		1.81	2.18		ug/Kg	☼	121	73 - 139	11	30
8:2 FTS	ND		1.82	1.63		ug/Kg	☼	89	75 - 135	30	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	73		25 - 150
13C5 PFPeA	84		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 705291

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 704599

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	88		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDoA	95		25 - 150
13C2 PFTeDA	89		25 - 150
13C3 PFBS	64		25 - 150
18O2 PFHxS	71		25 - 150
13C4 PFOS	73		25 - 150
13C8 FOSA	95		25 - 150
d3-NMeFOSAA	51		25 - 150
d5-NEtFOSAA	57		25 - 150
M2-6:2 FTS	64		25 - 150
M2-8:2 FTS	70		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161819-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 704599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	SHAKE	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	SHAKE	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	SHAKE	
MB 320-704599/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-704599/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	SHAKE	
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	SHAKE	

Analysis Batch: 705291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	537 (modified)	704599
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	537 (modified)	704599
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	537 (modified)	704599
MB 320-704599/1-A	Method Blank	Total/NA	Solid	537 (modified)	704599
LCS 320-704599/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	704599
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	537 (modified)	704599
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	537 (modified)	704599

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 7 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A14A	9/1/23	1430	G	Solid	N	Y	X													12	Containers for PFAS sent directly to Eurofins Sacramento Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A14B	9/1/23	1430	G	Solid	N	Y	X													12	
SSHS-IRM5A2-A14C	9/1/23	1430	C	Solid	N	Y		X		X		X	X	X	X	X				12	
SSHS-IRM5A2-A15A	9/1/23	1445	G	Solid	N	N	X													4	
SSHS-IRM5A2-A15B	9/1/23	1445	G	Solid	N	N	X													4	
SSHS-IRM5A2-A15C	9/1/23	1445	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-DUP17A	9/1/23	--	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP17B	9/1/23	--	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP17C	9/1/23	--	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-161819 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer tha

☐ Return To Client ☐ sposal By Lab A ☐ ve For ____

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Stelmach	Date/Time: 9/1/23/1700	Company	Received by:	Date/Time: 9-2-23 0923	Company: E Pittsburgh
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Page 16 of 20

9/14/2023

9/14/2023

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
FOURTH FLOOR
ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 01SEP23
ACTWGT: 50.00 LB
CAD: 252144956/INET4535
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA (PITTSBURGH) LABORATORY

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF: MN0832L
INV: 02
PO: 01 DEPT: 1751

583J5/76B4/0AE3

Uncorrected temp 2.6 °C
Thermometer ID 20

CF 0.0 Initials KR

PT-WI-SR-001 effective 7/26/13

FedEx Express

J23312307319uv

1 of 2

TRK# 0201 7732 2629 1250

MASTER

X0 AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT

15238
PA-US PIT

RT 639 1
FZ 12:00 A

1250
09.02

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 7 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-161819 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (tarracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A14A	9/1/23	1430	G	Solid	N	Y	X										12	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A14B	9/1/23	1430	G	Solid	N	Y	X										12	
SSHS-IRM5A2-A14C	9/1/23	1430	C	Solid	N	Y		X		X		X	X	X	X	X	12	
SSHS-IRM5A2-A15A	9/1/23	1445	G	Solid	N	N	X										4	
SSHS-IRM5A2-A15B	9/1/23	1445	G	Solid	N	N	X										4	
SSHS-IRM5A2-A15C	9/1/23	1445	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-DUP17A	9/1/23	--	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP17B	9/1/23	--	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP17C	9/1/23	--	C	Solid	N	N		X		X		X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Stelmach	Date/Time: 9/11/23 1701	Company	Received by:	Date/Time: 9/12/23 0945	Company DEST SRC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 5.0		

Ver: 01/16/2019

eurofins | Environment Testing

Sacramento
Sample Receiving Notes

180-161819 Field Sheet

Job. _____

Tracking # 7732 2656 9603

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID 102 Corr Factor (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal Seal

Cooler ID _____

Temp Observed 5.0 °C Corrected 5.0 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials DM Date 9/2/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☒ DM 09/02/23
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date 09/02/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials DM Date 09/02/23

eurofins | Environment Testing

Sacramento
Sample Receiving Notes

180-161819 Field Sheet

Job _____

Tracking # 7732 2656 9603

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID 102 Corr Factor (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal. Seal

Cooler ID _____

Temp Observed 5.0 °C Corrected 5.0 °C
From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials DM Date 9/2/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☒ DM 09/02/23
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date 09/02/23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials DM Date 09/02/23



eurofins | Environment Testing TestAmerica

N ID:ELMA (240) 938-7056
TRUCTION ENTRANCE GEOSYNTEC
YNTEC CONSULTANTS
OUTH MAIN STREET
TH FLOOR
A, NY 14904
D STATES US

SHIP DATE: 01SEP23
ACTWGT: 50.00 LB
CAD: 252144956/INET4535
DIMS: 30x18x12 IN

BILL SENDER

ESTAMERICA LABORATORY

VEST SACRAMENTO
80 RIVERSIDE PKWY
VEST SACRAMENTO CA 95605
373-5600 REF: MN0832L
DEPT: 1751

583J573849/AE3

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

7732 2656 9603

95605
CA-US SMF

X0 BLUA

Custody Seal
SIGNATURE
DATE

eurofins | Environment Testing TestAmerica

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161819-2

Login Number: 161819
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161819-2

Login Number: 161819
List Number: 2
Creator: Morazzini, Dominic S

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/14/2023 4:39:00 PM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-161819-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
10/14/2023 4:39:00 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-161819-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161819-1

Receipt
The samples were received on 9/2/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. . The temperatures of the 3 coolers at receipt time were 2.6º C, 3.1º C and 5.0º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 4-Bromofluorobenzene was slightly below the control limits for the following sample: SSHS-IRM5A2-A14A (180-161819-1). The sample was re-analyzed and had the internal standard (ISTD) response of Chlorobenzene-d5 and 1,4-dichlorobenzene-d4 above criteria. Results of both analyses were reported.

Method 8260C: The RPD between the matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A14A (180-161819-1) was above the control limits for the following analyte: 1,1-Dichloroethene. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-445423 was above criteria for the following analyte: Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-445470 was above criteria for the following analyte: 1,4-Dioxane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Sample SSHS-IRM5A2-A14C (180-161819-3) had the recoveries of surrogate decachlorobiphenyl slightly below the control limits on both columns. The recoveries of tetrachloro-m-xylene were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: Sample SSHS-IRM5A2-DUP17C (180-161819-9) was diluted for arsenic, cadmium, and lead due to inter-element corrections associated with iron and iron being over the instrument's linear range. Elevated reporting limits (RLs) are provided.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A14C (180-161819-3) had the recoveries of mercury below the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161819-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161819-1	SSHS-IRM5A2-A14A	Solid	09/01/23 14:30	09/02/23 09:30
180-161819-2	SSHS-IRM5A2-A14B	Solid	09/01/23 14:30	09/02/23 09:30
180-161819-3	SSHS-IRM5A2-A14C	Solid	09/01/23 14:30	09/02/23 09:30
180-161819-4	SSHS-IRM5A2-A15A	Solid	09/01/23 14:45	09/02/23 09:30
180-161819-5	SSHS-IRM5A2-A15B	Solid	09/01/23 14:45	09/02/23 09:30
180-161819-6	SSHS-IRM5A2-A15C	Solid	09/01/23 14:45	09/02/23 09:30
180-161819-7	SSHS-IRM5A2-DUP17A	Solid	09/01/23 00:00	09/02/23 09:30
180-161819-8	SSHS-IRM5A2-DUP17B	Solid	09/01/23 00:00	09/02/23 09:30
180-161819-9	SSHS-IRM5A2-DUP17C	Solid	09/01/23 00:00	09/02/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Client Sample ID: SSHS-IRM5A2-A14A
Lab Sample ID: 180-161819-1
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A14A
Lab Sample ID: 180-161819-1
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0032 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445470	09/05/23 11:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		5.4426 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	445470	09/05/23 14:41	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A14B
Lab Sample ID: 180-161819-2
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A14B
Lab Sample ID: 180-161819-2
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 99.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2246 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445470	09/05/23 10:47	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A14C
Lab Sample ID: 180-161819-3
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Client Sample ID: SSHS-IRM5A2-A14C

Lab Sample ID: 180-161819-3
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	446307	09/13/23 06:57	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	446459	09/14/23 09:33	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	445811	09/07/23 14:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	445841	09/08/23 03:38	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	445842	09/08/23 03:40	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	445846	09/08/23 09:44	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.50 g	50 mL	445520	09/05/23 11:41	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 19:14	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	445483	09/05/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445657	09/06/23 10:31	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	445420	09/02/23 14:01	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	445624	09/06/23 09:54	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.51 g	10 mL	446135	09/12/23 12:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			446376	09/12/23 15:59	CMR	EET PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-A15A

Lab Sample ID: 180-161819-4
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A15A

Lab Sample ID: 180-161819-4
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 98.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.306 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445423	09/02/23 19:22	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A15B

Lab Sample ID: 180-161819-5
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161819-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A15B
Lab Sample ID: 180-161819-5
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3048 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445423	09/02/23 19:45	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A15C
Lab Sample ID: 180-161819-6
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A15C
Lab Sample ID: 180-161819-6
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	446307	09/13/23 06:57	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	446459	09/14/23 10:38	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	445811	09/07/23 14:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	445841	09/08/23 03:38	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	445842	09/08/23 03:40	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	445846	09/08/23 10:57	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.54 g	50 mL	445520	09/05/23 11:41	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 19:34	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	445483	09/05/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445657	09/06/23 10:34	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	445420	09/02/23 14:01	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	445624	09/06/23 10:01	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.54 g	10 mL	446135	09/12/23 12:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			446376	09/12/23 16:08	CMR	EET PIT
	Instrument ID: SEAL1									

Client Sample ID: SSHS-IRM5A2-DUP17A
Lab Sample ID: 180-161819-7
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161819-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-DUP17A
Lab Sample ID: 180-161819-7
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3067 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445423	09/02/23 20:07	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-DUP17B
Lab Sample ID: 180-161819-8
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP17B
Lab Sample ID: 180-161819-8
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	445429	09/02/23 14:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445423	09/02/23 20:29	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-DUP17C
Lab Sample ID: 180-161819-9
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445677	09/06/23 15:33	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP17C
Lab Sample ID: 180-161819-9
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	446307	09/13/23 06:57	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	446459	09/14/23 11:00	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	445811	09/07/23 14:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	445841	09/08/23 03:38	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	445842	09/08/23 03:40	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	445846	09/08/23 11:14	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.69 g	50 mL	445520	09/05/23 11:41	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		5			448168	10/02/23 11:49	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161819-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-DUP17C
Lab Sample ID: 180-161819-9
Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.69 g	50 mL	445520	09/05/23 11:41	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 19:39	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	445483	09/05/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445657	09/06/23 10:35	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.53 g	100 mL	445420	09/02/23 14:01	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	445624	09/06/23 10:03	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.55 g	10 mL	446135	09/12/23 12:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			446376	09/12/23 16:09	CMR	EET PIT
	Instrument ID: SEAL1									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- CMC = Candace California
- CMR = Carl Reagle
- DVC = Daniel Capodanno
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SJM = Shannon Mueller
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- CMR = Carl Reagle
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-161819-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A14A
Lab Sample ID: 180-161819-1
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.026	0.0041	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
2-Butanone (MEK)	ND		0.026	0.0026	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Chloroform	ND		0.0052	0.0035	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,1-Dichloroethene	ND	F2	0.0052	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,4-Dioxane	ND		1.0	0.079	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	09/02/23 14:44	09/05/23 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*	*S1-*	*60 - 124*	*09/02/23 14:44*	*09/05/23 11:09*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*09/02/23 14:44*	*09/05/23 11:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*09/02/23 14:44*	*09/05/23 11:09*	*1*
Toluene-d8 (Surr)	*77*		*67 - 134*	*09/02/23 14:44*	*09/05/23 11:09*	*1*

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0037	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Benzene	ND		0.0048	0.0013	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
2-Butanone (MEK)	ND		0.024	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Carbon tetrachloride	ND		0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Chlorobenzene	ND	*3	0.0048	0.0012	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Chloroform	ND		0.0048	0.0032	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,2-Dichlorobenzene	ND	*3	0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,3-Dichlorobenzene	ND	*3	0.0048	0.0029	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,4-Dichlorobenzene	ND	*3	0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1

Client Sample ID: SSHS-IRM5A2-A14A
Lab Sample ID: 180-161819-1

Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,4-Dioxane	ND		0.96	0.073	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Ethylbenzene	ND	*3	0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
n-Butylbenzene	ND	*3	0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
N-Propylbenzene	ND	*3	0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
sec-Butylbenzene	ND	*3	0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
tert-Butylbenzene	ND	*3	0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Tetrachloroethene	ND	*3	0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Toluene	ND	*3	0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,2,4-Trimethylbenzene	ND	*3	0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
1,3,5-Trimethylbenzene	ND	*3	0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Vinyl chloride	ND		0.0048	0.0034	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1
Xylenes, Total	ND	*3	0.0096	0.0069	mg/Kg	☼	09/02/23 14:44	09/05/23 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*	*3	*60 - 124*	*09/02/23 14:44*	*09/05/23 14:41*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/02/23 14:44*	*09/05/23 14:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*09/02/23 14:44*	*09/05/23 14:41*	*1*
Toluene-d8 (Surr)	*80*	*3	*67 - 134*	*09/02/23 14:44*	*09/05/23 14:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.0**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**96.0**		0.1	0.1	%			09/06/23 15:33	1

Client Sample ID: SSHS-IRM5A2-A14B
Lab Sample ID: 180-161819-2

Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 99.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0038	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Benzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
2-Butanone (MEK)	ND		0.024	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Carbon tetrachloride	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Chlorobenzene	ND		0.0048	0.0013	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Chloroform	ND		0.0048	0.0032	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
cis-1,2-Dichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,3-Dichlorobenzene	ND		0.0048	0.0030	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1

Client Sample ID: SSHS-IRM5A2-A14B
Lab Sample ID: 180-161819-2
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 99.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.96	0.073	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Vinyl chloride	ND		0.0048	0.0035	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1
Xylenes, Total	ND		0.0096	0.0069	mg/Kg	☼	09/02/23 14:44	09/05/23 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*09/02/23 14:44*	*09/05/23 10:47*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/02/23 14:44*	*09/05/23 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*09/02/23 14:44*	*09/05/23 10:47*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*09/02/23 14:44*	*09/05/23 10:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**0.6**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**99.4**		0.1	0.1	%			09/06/23 15:33	1

Client Sample ID: SSHS-IRM5A2-A14C
Lab Sample ID: 180-161819-3
Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.9

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Dibenzofuran	ND		0.034	0.013	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
2,4-Dinitrotoluene	ND		0.034	0.021	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Fluoranthene	ND		0.0070	0.0018	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Client Sample ID: SSHS-IRM5A2-A14C
Date Collected: 09/01/23 14:30
Date Received: 09/02/23 09:30

Lab Sample ID: 180-161819-3
Matrix: Solid
Percent Solids: 95.9

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Hexachloroethane	ND		0.034	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
2-Methylphenol	ND		0.034	0.010	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Methylphenol, 3 & 4	ND		0.034	0.010	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Phenol	ND		0.034	0.011	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Pyrene	ND		0.0070	0.0016	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
2,4,5-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1
2,4,6-Trichlorophenol	ND		0.034	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*09/13/23 06:57*	*09/14/23 09:33*	*1*
2-Fluorophenol (Surr)	*55*		*32 - 105*	*09/13/23 06:57*	*09/14/23 09:33*	*1*
Nitrobenzene-d5 (Surr)	*65*		*34 - 109*	*09/13/23 06:57*	*09/14/23 09:33*	*1*
Phenol-d5 (Surr)	*61*		*34 - 105*	*09/13/23 06:57*	*09/14/23 09:33*	*1*
Terphenyl-d14 (Surr)	*58*		*20 - 117*	*09/13/23 06:57*	*09/14/23 09:33*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 119*	*09/13/23 06:57*	*09/14/23 09:33*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0057	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1221	ND		0.017	0.0062	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1248	ND		0.017	0.0042	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	09/07/23 14:37	09/08/23 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*60*	*S1-*	*63 - 138*	*09/07/23 14:37*	*09/08/23 09:44*	*1*
DCB Decachlorobiphenyl (Surr)	*62*	*S1-*	*63 - 138*	*09/07/23 14:37*	*09/08/23 09:44*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*55 - 135*	*09/07/23 14:37*	*09/08/23 09:44*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*55 - 135*	*09/07/23 14:37*	*09/08/23 09:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		1.0	0.65	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Barium	**94**		21	3.7	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Beryllium	**0.59**		0.42	0.11	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Cadmium	**0.37**	**J**	0.52	0.077	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Chromium	**16**		0.52	0.47	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Copper	**28**		2.6	1.6	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1

Client Sample ID: SSHS-IRM5A2-A14C
Lab Sample ID: 180-161819-3

Date Collected: 09/01/23 14:30
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**11**		1.0	0.91	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Manganese	**540**		1.6	0.29	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Nickel	**27**		4.2	0.53	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Selenium	ND		1.0	0.48	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Silver	ND		0.52	0.11	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1
Zinc	**67**		2.1	1.5	mg/Kg	☼	09/05/23 11:41	10/04/23 19:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1	0.033	0.021	mg/Kg	☼	09/05/23 10:30	09/06/23 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.1**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**95.9**		0.1	0.1	%			09/06/23 15:33	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.41	0.22	mg/Kg	☼	09/02/23 14:01	09/06/23 09:54	1
Cyanide, Total (SW846 EPA 9014)	ND		0.20	0.16	mg/Kg	☼	09/12/23 12:45	09/12/23 15:59	1

Client Sample ID: SSHS-IRM5A2-A15A
Lab Sample ID: 180-161819-4

Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 98.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0037	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Benzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
2-Butanone (MEK)	ND		0.024	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Carbon tetrachloride	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Chlorobenzene	ND		0.0048	0.0012	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Chloroform	ND		0.0048	0.0032	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
cis-1,2-Dichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,3-Dichlorobenzene	ND		0.0048	0.0030	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,4-Dioxane	ND		0.96	0.073	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Client Sample ID: SSHS-IRM5A2-A15A

Lab Sample ID: 180-161819-4
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 98.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Vinyl chloride	ND		0.0048	0.0035	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1
Xylenes, Total	ND		0.0096	0.0069	mg/Kg	☼	09/02/23 14:44	09/02/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*09/02/23 14:44*	*09/02/23 19:22*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/02/23 14:44*	*09/02/23 19:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*09/02/23 14:44*	*09/02/23 19:22*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*09/02/23 14:44*	*09/02/23 19:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.9**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**98.1**		0.1	0.1	%			09/06/23 15:33	1

Client Sample ID: SSHS-IRM5A2-A15B

Lab Sample ID: 180-161819-5
Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 98.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0037	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Benzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
2-Butanone (MEK)	ND		0.024	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Carbon tetrachloride	ND		0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Chlorobenzene	ND		0.0048	0.0012	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Chloroform	ND		0.0048	0.0032	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,3-Dichlorobenzene	ND		0.0048	0.0030	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,4-Dioxane	ND		0.96	0.073	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1

Client Sample ID: SSHS-IRM5A2-A15B
Lab Sample ID: 180-161819-5

Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 98.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0048	0.0035	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1
Xylenes, Total	ND		0.0096	0.0069	mg/Kg	☼	09/02/23 14:44	09/02/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*09/02/23 14:44*	*09/02/23 19:45*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*09/02/23 14:44*	*09/02/23 19:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*09/02/23 14:44*	*09/02/23 19:45*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*09/02/23 14:44*	*09/02/23 19:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.7**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**98.3**		0.1	0.1	%			09/06/23 15:33	1

Client Sample ID: SSHS-IRM5A2-A15C
Lab Sample ID: 180-161819-6

Date Collected: 09/01/23 14:45
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 94.4

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Benzo[a]anthracene	ND		0.0070	0.0032	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Fluoranthene	ND		0.0070	0.0019	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Hexachlorobutadiene	ND		0.0070	0.0021	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Phenol	ND		0.035	0.011	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Pyrene	ND		0.0070	0.0017	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 10:38	1

Client Sample ID: SSHS-IRM5A2-A15C

Date Collected: 09/01/23 14:45
Date Received: 09/02/23 09:30

Lab Sample ID: 180-161819-6

Matrix: Solid
Percent Solids: 94.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*09/13/23 06:57*	*09/14/23 10:38*	*1*
2-Fluorophenol (Surr)	*50*		*32 - 105*	*09/13/23 06:57*	*09/14/23 10:38*	*1*
Nitrobenzene-d5 (Surr)	*60*		*34 - 109*	*09/13/23 06:57*	*09/14/23 10:38*	*1*
Phenol-d5 (Surr)	*56*		*34 - 105*	*09/13/23 06:57*	*09/14/23 10:38*	*1*
Terphenyl-d14 (Surr)	*57*		*20 - 117*	*09/13/23 06:57*	*09/14/23 10:38*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*20 - 119*	*09/13/23 06:57*	*09/14/23 10:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1248	ND		0.017	0.0041	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1262	ND		0.017	0.0060	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	09/07/23 14:37	09/08/23 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*09/07/23 14:37*	*09/08/23 10:57*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*09/07/23 14:37*	*09/08/23 10:57*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*09/07/23 14:37*	*09/08/23 10:57*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*09/07/23 14:37*	*09/08/23 10:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		0.98	0.61	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Barium	**100**		20	3.5	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Beryllium	**0.59**		0.39	0.11	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Cadmium	**0.38**	**J**	0.49	0.072	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Chromium	**15**		0.49	0.45	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Copper	**23**		2.5	1.5	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Lead	**12**		0.98	0.85	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Manganese	**790**		1.5	0.27	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Nickel	**25**		3.9	0.49	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Selenium	ND		0.98	0.45	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Silver	ND		0.49	0.10	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1
Zinc	**66**		2.0	1.4	mg/Kg	☼	09/05/23 11:41	10/04/23 19:34	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/05/23 10:30	09/06/23 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.6**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**94.4**		0.1	0.1	%			09/06/23 15:33	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	09/02/23 14:01	09/06/23 10:01	1
Cyanide, Total (SW846 EPA 9014)	ND		0.20	0.15	mg/Kg	☼	09/12/23 12:45	09/12/23 16:08	1

Client Sample ID: SSHS-IRM5A2-DUP17A

Lab Sample ID: 180-161819-7

Date Collected: 09/01/23 00:00
Date Received: 09/02/23 09:30

Matrix: Solid
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.0038	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
2-Butanone (MEK)	ND		0.025	0.0025	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Chloroform	ND		0.0049	0.0033	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,2-Dichlorobenzene	ND		0.0049	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,4-Dioxane	ND		0.98	0.075	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
N-Propylbenzene	ND		0.0049	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1
Xylenes, Total	ND		0.0098	0.0071	mg/Kg	☼	09/02/23 14:44	09/02/23 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*09/02/23 14:44*	*09/02/23 20:07*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*09/02/23 14:44*	*09/02/23 20:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*09/02/23 14:44*	*09/02/23 20:07*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*09/02/23 14:44*	*09/02/23 20:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.3**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**95.7**		0.1	0.1	%			09/06/23 15:33	1

Client Sample ID: SSHS-IRM5A2-DUP17B

Lab Sample ID: 180-161819-8

Date Collected: 09/01/23 00:00
Date Received: 09/02/23 09:30

Matrix: Solid
Percent Solids: 97.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.024	0.0038	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Benzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1

Client Sample ID: SSHS-IRM5A2-DUP17B

Lab Sample ID: 180-161819-8

Date Collected: 09/01/23 00:00
Date Received: 09/02/23 09:30

Matrix: Solid
Percent Solids: 97.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.024	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Carbon tetrachloride	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Chlorobenzene	ND		0.0048	0.0013	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Chloroform	ND		0.0048	0.0032	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
cis-1,2-Dichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,3-Dichlorobenzene	ND		0.0048	0.0030	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,4-Dioxane	ND		0.96	0.073	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0017	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Vinyl chloride	ND		0.0048	0.0035	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1
Xylenes, Total	ND		0.0096	0.0070	mg/Kg	☼	09/02/23 14:44	09/02/23 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*09/02/23 14:44*	*09/02/23 20:29*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*09/02/23 14:44*	*09/02/23 20:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*09/02/23 14:44*	*09/02/23 20:29*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*09/02/23 14:44*	*09/02/23 20:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.8**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**97.2**		0.1	0.1	%			09/06/23 15:33	1

Client Sample ID: SSHS-IRM5A2-DUP17C

Lab Sample ID: 180-161819-9

Date Collected: 09/01/23 00:00
Date Received: 09/02/23 09:30

Matrix: Solid
Percent Solids: 95.0

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1

Client Sample ID: SSHS-IRM5A2-DUP17C
Lab Sample ID: 180-161819-9

Date Collected: 09/01/23 00:00
Matrix: Solid
Date Received: 09/02/23 09:30
Percent Solids: 95.0

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Fluoranthene	ND		0.0070	0.0018	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Phenol	ND		0.035	0.011	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Pyrene	ND		0.0070	0.0017	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	09/13/23 06:57	09/14/23 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*35 - 105*	*09/13/23 06:57*	*09/14/23 11:00*	*1*
2-Fluorophenol (Surr)	*41*		*32 - 105*	*09/13/23 06:57*	*09/14/23 11:00*	*1*
Nitrobenzene-d5 (Surr)	*47*		*34 - 109*	*09/13/23 06:57*	*09/14/23 11:00*	*1*
Phenol-d5 (Surr)	*48*		*34 - 105*	*09/13/23 06:57*	*09/14/23 11:00*	*1*
Terphenyl-d14 (Surr)	*53*		*20 - 117*	*09/13/23 06:57*	*09/14/23 11:00*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*20 - 119*	*09/13/23 06:57*	*09/14/23 11:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1248	ND		0.017	0.0041	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1254	ND		0.017	0.0051	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1262	ND		0.017	0.0060	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	09/07/23 14:37	09/08/23 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*09/07/23 14:37*	*09/08/23 11:14*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*09/07/23 14:37*	*09/08/23 11:14*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-161819-1

Client Sample ID: SSHS-IRM5A2-DUP17C

Date Collected: 09/01/23 00:00
Date Received: 09/02/23 09:30

Lab Sample ID: 180-161819-9

Matrix: Solid
Percent Solids: 95.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*09/07/23 14:37*	*09/08/23 11:14*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*09/07/23 14:37*	*09/08/23 11:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		3.8	2.4	mg/Kg	☼	09/05/23 11:41	10/02/23 11:49	5
Barium	**100**		15	2.7	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Beryllium	**0.61**		0.31	0.083	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Cadmium	**0.29**	**J**	1.9	0.28	mg/Kg	☼	09/05/23 11:41	10/02/23 11:49	5
Chromium	**17**		0.38	0.35	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Copper	**24**		1.9	1.2	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Lead	**15**		3.8	3.3	mg/Kg	☼	09/05/23 11:41	10/02/23 11:49	5
Manganese	**600**		1.1	0.21	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Nickel	**28**		3.1	0.38	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Selenium	ND		0.76	0.35	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Silver	ND		0.38	0.079	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1
Zinc	**71**		1.5	1.1	mg/Kg	☼	09/05/23 11:41	10/04/23 19:39	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	09/05/23 10:30	09/06/23 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.0**		0.1	0.1	%			09/06/23 15:33	1
Percent Solids (SM22 2540G)	**95.0**		0.1	0.1	%			09/06/23 15:33	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.42	0.22	mg/Kg	☼	09/02/23 14:01	09/06/23 10:03	1
Cyanide, Total (SW846 EPA 9014)	ND		0.19	0.15	mg/Kg	☼	09/12/23 12:45	09/12/23 16:09	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-445423/7
Matrix: Solid
Analysis Batch: 445423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.0039	mg/Kg			09/02/23 17:53	1
Benzene	ND		0.0050	0.0014	mg/Kg			09/02/23 17:53	1
2-Butanone (MEK)	ND		0.025	0.0025	mg/Kg			09/02/23 17:53	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			09/02/23 17:53	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			09/02/23 17:53	1
Chloroform	ND		0.0050	0.0034	mg/Kg			09/02/23 17:53	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			09/02/23 17:53	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			09/02/23 17:53	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			09/02/23 17:53	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			09/02/23 17:53	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			09/02/23 17:53	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			09/02/23 17:53	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			09/02/23 17:53	1
1,4-Dioxane	ND		1.0	0.076	mg/Kg			09/02/23 17:53	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			09/02/23 17:53	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			09/02/23 17:53	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			09/02/23 17:53	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			09/02/23 17:53	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			09/02/23 17:53	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			09/02/23 17:53	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			09/02/23 17:53	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			09/02/23 17:53	1
Toluene	ND		0.0050	0.0014	mg/Kg			09/02/23 17:53	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			09/02/23 17:53	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			09/02/23 17:53	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			09/02/23 17:53	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			09/02/23 17:53	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			09/02/23 17:53	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			09/02/23 17:53	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			09/02/23 17:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*		*09/02/23 17:53*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*		*09/02/23 17:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*		*09/02/23 17:53*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*		*09/02/23 17:53*	*1*

Lab Sample ID: LCS 180-445423/3
Matrix: Solid
Analysis Batch: 445423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0400	0.0532		mg/Kg		133	23 - 170
Benzene	0.0400	0.0407		mg/Kg		102	77 - 120
2-Butanone (MEK)	0.0400	0.0458		mg/Kg		114	39 - 157
Carbon tetrachloride	0.0400	0.0381		mg/Kg		95	73 - 130
Chlorobenzene	0.0400	0.0354		mg/Kg		89	79 - 122
Chloroform	0.0400	0.0410		mg/Kg		103	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-445423/3
Matrix: Solid
Analysis Batch: 445423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0399		mg/Kg		100	77 - 118
1,2-Dichlorobenzene	0.0400	0.0368		mg/Kg		92	76 - 120
1,3-Dichlorobenzene	0.0400	0.0375		mg/Kg		94	77 - 121
1,4-Dichlorobenzene	0.0400	0.0365		mg/Kg		91	79 - 120
1,1-Dichloroethane	0.0400	0.0402		mg/Kg		101	73 - 124
1,2-Dichloroethane	0.0400	0.0371		mg/Kg		93	64 - 140
1,1-Dichloroethene	0.0400	0.0399		mg/Kg		100	55 - 136
1,4-Dioxane	0.800	0.887	J	mg/Kg		111	18 - 166
Ethylbenzene	0.0400	0.0383		mg/Kg		96	79 - 119
Methylene Chloride	0.0400	0.0407		mg/Kg		102	67 - 131
Methyl tert-butyl ether	0.0400	0.0369		mg/Kg		92	58 - 132
n-Butylbenzene	0.0400	0.0422		mg/Kg		105	64 - 136
N-Propylbenzene	0.0400	0.0392		mg/Kg		98	71 - 127
sec-Butylbenzene	0.0400	0.0404		mg/Kg		101	65 - 130
tert-Butylbenzene	0.0400	0.0391		mg/Kg		98	69 - 133
Tetrachloroethene	0.0400	0.0364		mg/Kg		91	71 - 121
Toluene	0.0400	0.0383		mg/Kg		96	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0409		mg/Kg		102	75 - 122
1,1,1-Trichloroethane	0.0400	0.0397		mg/Kg		99	72 - 134
Trichloroethene	0.0400	0.0379		mg/Kg		95	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0403		mg/Kg		101	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0416		mg/Kg		104	69 - 131
Vinyl chloride	0.0400	0.0483		mg/Kg		121	64 - 134
Xylenes, Total	0.0800	0.0753		mg/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: LCSD 180-445423/4
Matrix: Solid
Analysis Batch: 445423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0400	0.0556		mg/Kg		139	23 - 170	4	35
Benzene	0.0400	0.0409		mg/Kg		102	77 - 120	1	20
2-Butanone (MEK)	0.0400	0.0516		mg/Kg		129	39 - 157	12	33
Carbon tetrachloride	0.0400	0.0384		mg/Kg		96	73 - 130	1	21
Chlorobenzene	0.0400	0.0351		mg/Kg		88	79 - 122	1	20
Chloroform	0.0400	0.0413		mg/Kg		103	73 - 126	1	20
cis-1,2-Dichloroethene	0.0400	0.0395		mg/Kg		99	77 - 118	1	20
1,2-Dichlorobenzene	0.0400	0.0368		mg/Kg		92	76 - 120	0	20
1,3-Dichlorobenzene	0.0400	0.0368		mg/Kg		92	77 - 121	2	20
1,4-Dichlorobenzene	0.0400	0.0358		mg/Kg		90	79 - 120	2	20
1,1-Dichloroethane	0.0400	0.0407		mg/Kg		102	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0394		mg/Kg		98	64 - 140	6	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-445423/4
Matrix: Solid
Analysis Batch: 445423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0402		mg/Kg		101	55 - 136	1	21
1,4-Dioxane			0.800	0.912	J	mg/Kg		114	18 - 166	3	40
Ethylbenzene			0.0400	0.0367		mg/Kg		92	79 - 119	4	20
Methylene Chloride			0.0400	0.0424		mg/Kg		106	67 - 131	4	32
Methyl tert-butyl ether			0.0400	0.0395		mg/Kg		99	58 - 132	7	24
n-Butylbenzene			0.0400	0.0402		mg/Kg		100	64 - 136	5	21
N-Propylbenzene			0.0400	0.0372		mg/Kg		93	71 - 127	5	20
sec-Butylbenzene			0.0400	0.0388		mg/Kg		97	65 - 130	4	20
tert-Butylbenzene			0.0400	0.0376		mg/Kg		94	69 - 133	4	23
Tetrachloroethene			0.0400	0.0348		mg/Kg		87	71 - 121	4	21
Toluene			0.0400	0.0375		mg/Kg		94	76 - 120	2	20
trans-1,2-Dichloroethene			0.0400	0.0401		mg/Kg		100	75 - 122	2	20
1,1,1-Trichloroethane			0.0400	0.0393		mg/Kg		98	72 - 134	1	20
Trichloroethene			0.0400	0.0370		mg/Kg		92	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0395		mg/Kg		99	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0401		mg/Kg		100	69 - 131	4	20
Vinyl chloride			0.0400	0.0470		mg/Kg		117	64 - 134	3	23
Xylenes, Total			0.0800	0.0739		mg/Kg		92	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: 180-161819-1 MS
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14A
Prep Type: Total/NA
Prep Batch: 445429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	ND		0.0398	0.0467		mg/Kg	☼	117	23 - 170		
Benzene	ND		0.0398	0.0402		mg/Kg	☼	101	77 - 120		
2-Butanone (MEK)	ND		0.0398	0.0437		mg/Kg	☼	110	39 - 157		
Carbon tetrachloride	ND		0.0398	0.0387		mg/Kg	☼	97	73 - 130		
Chlorobenzene	ND		0.0398	0.0351		mg/Kg	☼	88	79 - 122		
Chloroform	ND		0.0398	0.0416		mg/Kg	☼	104	73 - 126		
cis-1,2-Dichloroethene	ND		0.0398	0.0388		mg/Kg	☼	97	77 - 118		
1,2-Dichlorobenzene	ND		0.0398	0.0357		mg/Kg	☼	90	76 - 120		
1,3-Dichlorobenzene	ND		0.0398	0.0354		mg/Kg	☼	89	77 - 121		
1,4-Dichlorobenzene	ND		0.0398	0.0359		mg/Kg	☼	90	79 - 120		
1,1-Dichloroethane	ND		0.0398	0.0400		mg/Kg	☼	100	73 - 124		
1,2-Dichloroethane	ND		0.0398	0.0381		mg/Kg	☼	96	64 - 140		
1,1-Dichloroethene	ND	F2	0.0398	0.0382		mg/Kg	☼	96	55 - 136		
1,4-Dioxane	ND		0.797	0.875	J	mg/Kg	☼	110	18 - 166		
Ethylbenzene	ND		0.0398	0.0370		mg/Kg	☼	93	79 - 119		
Methylene Chloride	ND		0.0398	0.0416		mg/Kg	☼	104	67 - 131		
Methyl tert-butyl ether	ND		0.0398	0.0362		mg/Kg	☼	91	58 - 132		
n-Butylbenzene	ND		0.0398	0.0405		mg/Kg	☼	102	64 - 136		

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161819-1 MS
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14A
Prep Type: Total/NA
Prep Batch: 445429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	ND		0.0398	0.0378		mg/Kg	☼	95	71 - 127
sec-Butylbenzene	ND		0.0398	0.0389		mg/Kg	☼	98	65 - 130
tert-Butylbenzene	ND		0.0398	0.0379		mg/Kg	☼	95	69 - 133
Tetrachloroethene	ND		0.0398	0.0366		mg/Kg	☼	92	71 - 121
Toluene	ND		0.0398	0.0380		mg/Kg	☼	95	76 - 120
trans-1,2-Dichloroethene	ND		0.0398	0.0397		mg/Kg	☼	100	75 - 122
1,1,1-Trichloroethane	ND		0.0398	0.0398		mg/Kg	☼	100	72 - 134
Trichloroethene	ND		0.0398	0.0368		mg/Kg	☼	92	69 - 118
1,2,4-Trimethylbenzene	ND		0.0398	0.0391		mg/Kg	☼	98	74 - 127
1,3,5-Trimethylbenzene	ND		0.0398	0.0394		mg/Kg	☼	99	69 - 131
Vinyl chloride	ND		0.0398	0.0425		mg/Kg	☼	107	64 - 134
Xylenes, Total	ND		0.0797	0.0741		mg/Kg	☼	93	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*
Dibromofluoromethane (Surr)	*85*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: 180-161819-1 MSD
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14A
Prep Type: Total/NA
Prep Batch: 445429

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		0.0390	0.0444		mg/Kg	☼	114	23 - 170	5	35
Benzene	ND		0.0390	0.0396		mg/Kg	☼	101	77 - 120	2	20
2-Butanone (MEK)	ND		0.0390	0.0566		mg/Kg	☼	145	39 - 157	26	33
Carbon tetrachloride	ND		0.0390	0.0360		mg/Kg	☼	92	73 - 130	7	21
Chlorobenzene	ND		0.0390	0.0343		mg/Kg	☼	88	79 - 122	2	20
Chloroform	ND		0.0390	0.0410		mg/Kg	☼	105	73 - 126	1	20
cis-1,2-Dichloroethene	ND		0.0390	0.0391		mg/Kg	☼	100	77 - 118	1	20
1,2-Dichlorobenzene	ND		0.0390	0.0354		mg/Kg	☼	91	76 - 120	1	20
1,3-Dichlorobenzene	ND		0.0390	0.0349		mg/Kg	☼	90	77 - 121	1	20
1,4-Dichlorobenzene	ND		0.0390	0.0343		mg/Kg	☼	88	79 - 120	5	20
1,1-Dichloroethane	ND		0.0390	0.0394		mg/Kg	☼	101	73 - 124	2	20
1,2-Dichloroethane	ND		0.0390	0.0423		mg/Kg	☼	108	64 - 140	10	20
1,1-Dichloroethene	ND	F2	0.0390	0.0285	F2	mg/Kg	☼	73	55 - 136	29	21
1,4-Dioxane	ND		0.781	1.20		mg/Kg	☼	154	18 - 166	31	40
Ethylbenzene	ND		0.0390	0.0351		mg/Kg	☼	90	79 - 119	5	20
Methylene Chloride	ND		0.0390	0.0329		mg/Kg	☼	84	67 - 131	23	32
Methyl tert-butyl ether	ND		0.0390	0.0423		mg/Kg	☼	108	58 - 132	15	24
n-Butylbenzene	ND		0.0390	0.0365		mg/Kg	☼	93	64 - 136	11	21
N-Propylbenzene	ND		0.0390	0.0342		mg/Kg	☼	88	71 - 127	10	20
sec-Butylbenzene	ND		0.0390	0.0353		mg/Kg	☼	90	65 - 130	10	20
tert-Butylbenzene	ND		0.0390	0.0346		mg/Kg	☼	89	69 - 133	9	23
Tetrachloroethene	ND		0.0390	0.0331		mg/Kg	☼	85	71 - 121	10	21
Toluene	ND		0.0390	0.0363		mg/Kg	☼	93	76 - 120	5	20
trans-1,2-Dichloroethene	ND		0.0390	0.0381		mg/Kg	☼	98	75 - 122	4	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161819-1 MSD
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14A
Prep Type: Total/NA
Prep Batch: 445429

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		0.0390	0.0378		mg/Kg	☼	97	72 - 134	5	20
Trichloroethene	ND		0.0390	0.0356		mg/Kg	☼	91	69 - 118	3	20
1,2,4-Trimethylbenzene	ND		0.0390	0.0371		mg/Kg	☼	95	74 - 127	5	20
1,3,5-Trimethylbenzene	ND		0.0390	0.0368		mg/Kg	☼	94	69 - 131	7	20
Vinyl chloride	ND		0.0390	0.0392		mg/Kg	☼	100	64 - 134	8	23
Xylenes, Total	ND		0.0781	0.0710		mg/Kg	☼	91	78 - 118	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Lab Sample ID: 180-161819-2 MS
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14B
Prep Type: Total/NA
Prep Batch: 445429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		0.0378	0.0582		mg/Kg	☼	154	23 - 170
Benzene	ND		0.0378	0.0393		mg/Kg	☼	104	77 - 120
2-Butanone (MEK)	ND		0.0378	0.0531		mg/Kg	☼	141	39 - 157
Carbon tetrachloride	ND		0.0378	0.0348		mg/Kg	☼	92	73 - 130
Chlorobenzene	ND		0.0378	0.0328		mg/Kg	☼	87	79 - 122
Chloroform	ND		0.0378	0.0406		mg/Kg	☼	107	73 - 126
cis-1,2-Dichloroethene	ND		0.0378	0.0383		mg/Kg	☼	101	77 - 118
1,2-Dichlorobenzene	ND		0.0378	0.0348		mg/Kg	☼	92	76 - 120
1,3-Dichlorobenzene	ND		0.0378	0.0346		mg/Kg	☼	92	77 - 121
1,4-Dichlorobenzene	ND		0.0378	0.0345		mg/Kg	☼	91	79 - 120
1,1-Dichloroethane	ND		0.0378	0.0391		mg/Kg	☼	104	73 - 124
1,2-Dichloroethane	ND		0.0378	0.0408		mg/Kg	☼	108	64 - 140
1,1-Dichloroethene	ND		0.0378	0.0308		mg/Kg	☼	82	55 - 136
1,4-Dioxane	ND		0.755	1.14		mg/Kg	☼	151	18 - 166
Ethylbenzene	ND		0.0378	0.0340		mg/Kg	☼	90	79 - 119
Methylene Chloride	ND		0.0378	0.0418		mg/Kg	☼	111	67 - 131
Methyl tert-butyl ether	ND		0.0378	0.0413		mg/Kg	☼	109	58 - 132
n-Butylbenzene	ND		0.0378	0.0371		mg/Kg	☼	98	64 - 136
N-Propylbenzene	ND		0.0378	0.0348		mg/Kg	☼	92	71 - 127
sec-Butylbenzene	ND		0.0378	0.0357		mg/Kg	☼	95	65 - 130
tert-Butylbenzene	ND		0.0378	0.0349		mg/Kg	☼	92	69 - 133
Tetrachloroethene	ND		0.0378	0.0319		mg/Kg	☼	84	71 - 121
Toluene	ND		0.0378	0.0349		mg/Kg	☼	92	76 - 120
trans-1,2-Dichloroethene	ND		0.0378	0.0377		mg/Kg	☼	100	75 - 122
1,1,1-Trichloroethane	ND		0.0378	0.0378		mg/Kg	☼	100	72 - 134
Trichloroethene	ND		0.0378	0.0354		mg/Kg	☼	94	69 - 118
1,2,4-Trimethylbenzene	ND		0.0378	0.0368		mg/Kg	☼	97	74 - 127
1,3,5-Trimethylbenzene	ND		0.0378	0.0369		mg/Kg	☼	98	69 - 131
Vinyl chloride	ND		0.0378	0.0393		mg/Kg	☼	104	64 - 134
Xylenes, Total	ND		0.0755	0.0684		mg/Kg	☼	91	78 - 118

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161819-2 MS
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14B
Prep Type: Total/NA
Prep Batch: 445429

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*95*		*67 - 134*

Lab Sample ID: 180-161819-2 MSD
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: SSHS-IRM5A2-A14B
Prep Type: Total/NA
Prep Batch: 445429

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		0.0377	0.0522		mg/Kg	☼	139	23 - 170	11	35
Benzene	ND		0.0377	0.0390		mg/Kg	☼	103	77 - 120	1	20
2-Butanone (MEK)	ND		0.0377	0.0497		mg/Kg	☼	132	39 - 157	7	33
Carbon tetrachloride	ND		0.0377	0.0362		mg/Kg	☼	96	73 - 130	4	21
Chlorobenzene	ND		0.0377	0.0338		mg/Kg	☼	89	79 - 122	3	20
Chloroform	ND		0.0377	0.0402		mg/Kg	☼	106	73 - 126	1	20
cis-1,2-Dichloroethene	ND		0.0377	0.0373		mg/Kg	☼	99	77 - 118	3	20
1,2-Dichlorobenzene	ND		0.0377	0.0336		mg/Kg	☼	89	76 - 120	3	20
1,3-Dichlorobenzene	ND		0.0377	0.0341		mg/Kg	☼	90	77 - 121	2	20
1,4-Dichlorobenzene	ND		0.0377	0.0336		mg/Kg	☼	89	79 - 120	3	20
1,1-Dichloroethane	ND		0.0377	0.0392		mg/Kg	☼	104	73 - 124	0	20
1,2-Dichloroethane	ND		0.0377	0.0385		mg/Kg	☼	102	64 - 140	6	20
1,1-Dichloroethene	ND		0.0377	0.0375		mg/Kg	☼	100	55 - 136	20	21
1,4-Dioxane	ND		0.754	0.901	J	mg/Kg	☼	120	18 - 166	23	40
Ethylbenzene	ND		0.0377	0.0355		mg/Kg	☼	94	79 - 119	4	20
Methylene Chloride	ND		0.0377	0.0422		mg/Kg	☼	112	67 - 131	1	32
Methyl tert-butyl ether	ND		0.0377	0.0375		mg/Kg	☼	100	58 - 132	10	24
n-Butylbenzene	ND		0.0377	0.0375		mg/Kg	☼	99	64 - 136	1	21
N-Propylbenzene	ND		0.0377	0.0348		mg/Kg	☼	92	71 - 127	0	20
sec-Butylbenzene	ND		0.0377	0.0364		mg/Kg	☼	96	65 - 130	2	20
tert-Butylbenzene	ND		0.0377	0.0355		mg/Kg	☼	94	69 - 133	2	23
Tetrachloroethene	ND		0.0377	0.0331		mg/Kg	☼	88	71 - 121	4	21
Toluene	ND		0.0377	0.0359		mg/Kg	☼	95	76 - 120	3	20
trans-1,2-Dichloroethene	ND		0.0377	0.0381		mg/Kg	☼	101	75 - 122	1	20
1,1,1-Trichloroethane	ND		0.0377	0.0372		mg/Kg	☼	99	72 - 134	2	20
Trichloroethene	ND		0.0377	0.0358		mg/Kg	☼	95	69 - 118	1	20
1,2,4-Trimethylbenzene	ND		0.0377	0.0370		mg/Kg	☼	98	74 - 127	0	20
1,3,5-Trimethylbenzene	ND		0.0377	0.0375		mg/Kg	☼	99	69 - 131	2	20
Vinyl chloride	ND		0.0377	0.0401		mg/Kg	☼	106	64 - 134	2	23
Xylenes, Total	ND		0.0754	0.0709		mg/Kg	☼	94	78 - 118	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*94*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-445470/8
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.0039	mg/Kg			09/05/23 10:25	1
Benzene	ND		0.0050	0.0014	mg/Kg			09/05/23 10:25	1
2-Butanone (MEK)	ND		0.025	0.0025	mg/Kg			09/05/23 10:25	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			09/05/23 10:25	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			09/05/23 10:25	1
Chloroform	ND		0.0050	0.0034	mg/Kg			09/05/23 10:25	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			09/05/23 10:25	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			09/05/23 10:25	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			09/05/23 10:25	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			09/05/23 10:25	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			09/05/23 10:25	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			09/05/23 10:25	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			09/05/23 10:25	1
1,4-Dioxane	ND		1.0	0.076	mg/Kg			09/05/23 10:25	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			09/05/23 10:25	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			09/05/23 10:25	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			09/05/23 10:25	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			09/05/23 10:25	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			09/05/23 10:25	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			09/05/23 10:25	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			09/05/23 10:25	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			09/05/23 10:25	1
Toluene	ND		0.0050	0.0014	mg/Kg			09/05/23 10:25	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			09/05/23 10:25	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			09/05/23 10:25	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			09/05/23 10:25	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			09/05/23 10:25	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			09/05/23 10:25	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			09/05/23 10:25	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			09/05/23 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*		*09/05/23 10:25*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*		*09/05/23 10:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*		*09/05/23 10:25*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*		*09/05/23 10:25*	*1*

Lab Sample ID: LCS 180-445470/12
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone			0.0400	0.0538		mg/Kg		135	23 - 170		
Benzene			0.0400	0.0412		mg/Kg		103	77 - 120		
2-Butanone (MEK)			0.0400	0.0488		mg/Kg		122	39 - 157		
Carbon tetrachloride			0.0400	0.0399		mg/Kg		100	73 - 130		
Chlorobenzene			0.0400	0.0354		mg/Kg		89	79 - 122		
Chloroform			0.0400	0.0418		mg/Kg		104	73 - 126		

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-445470/12
Matrix: Solid
Analysis Batch: 445470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0396		mg/Kg		99	77 - 118
1,2-Dichlorobenzene	0.0400	0.0360		mg/Kg		90	76 - 120
1,3-Dichlorobenzene	0.0400	0.0364		mg/Kg		91	77 - 121
1,4-Dichlorobenzene	0.0400	0.0368		mg/Kg		92	79 - 120
1,1-Dichloroethane	0.0400	0.0406		mg/Kg		102	73 - 124
1,2-Dichloroethane	0.0400	0.0399		mg/Kg		100	64 - 140
1,1-Dichloroethene	0.0400	0.0408		mg/Kg		102	55 - 136
1,4-Dioxane	0.800	0.856	J	mg/Kg		107	18 - 166
Ethylbenzene	0.0400	0.0377		mg/Kg		94	79 - 119
Methylene Chloride	0.0400	0.0422		mg/Kg		105	67 - 131
Methyl tert-butyl ether	0.0400	0.0383		mg/Kg		96	58 - 132
n-Butylbenzene	0.0400	0.0405		mg/Kg		101	64 - 136
N-Propylbenzene	0.0400	0.0381		mg/Kg		95	71 - 127
sec-Butylbenzene	0.0400	0.0395		mg/Kg		99	65 - 130
tert-Butylbenzene	0.0400	0.0386		mg/Kg		96	69 - 133
Tetrachloroethene	0.0400	0.0360		mg/Kg		90	71 - 121
Toluene	0.0400	0.0379		mg/Kg		95	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0403		mg/Kg		101	75 - 122
1,1,1-Trichloroethane	0.0400	0.0401		mg/Kg		100	72 - 134
Trichloroethene	0.0400	0.0375		mg/Kg		94	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0395		mg/Kg		99	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0404		mg/Kg		101	69 - 131
Vinyl chloride	0.0400	0.0309		mg/Kg		77	64 - 134
Xylenes, Total	0.0800	0.0743		mg/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-446307/1-A
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0034	0.00096	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Acenaphthylene	ND		0.0034	0.00073	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Anthracene	ND		0.0034	0.00087	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Benzo[a]anthracene	ND		0.0034	0.0015	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Benzo[a]pyrene	ND		0.0034	0.0014	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Benzo[b]fluoranthene	ND		0.0034	0.00082	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Benzo[g,h,i]perylene	ND		0.0034	0.00072	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Benzo[k]fluoranthene	ND		0.0034	0.0010	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Chrysene	ND		0.0034	0.0019	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Dibenz(a,h)anthracene	ND		0.0034	0.0021	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Dibenzofuran	ND		0.017	0.0062	mg/Kg		09/13/23 06:57	09/14/23 06:40	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-446307/1-A
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.017	0.010	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
1,4-Dioxane	ND		0.033	0.0052	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Fluoranthene	ND		0.0034	0.00088	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Fluorene	ND		0.0034	0.00066	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Hexachlorobenzene	ND		0.0034	0.0012	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Hexachlorobutadiene	ND		0.0034	0.00098	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Hexachloroethane	ND		0.017	0.0059	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Indeno[1,2,3-cd]pyrene	ND		0.0034	0.0017	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
2-Methylphenol	ND		0.017	0.0048	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Methylphenol, 3 & 4	ND		0.017	0.0049	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Naphthalene	ND		0.0034	0.00065	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Nitrobenzene	ND		0.033	0.0061	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Pentachlorophenol	ND		0.085	0.027	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Phenanthrene	ND		0.0034	0.00090	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Phenol	ND		0.017	0.0051	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Pyrene	ND		0.0034	0.00079	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
Pyridine	ND		0.034	0.0090	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
2,4,5-Trichlorophenol	ND		0.017	0.0058	mg/Kg		09/13/23 06:57	09/14/23 06:40	1
2,4,6-Trichlorophenol	ND		0.017	0.0056	mg/Kg		09/13/23 06:57	09/14/23 06:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*09/13/23 06:57*	*09/14/23 06:40*	*1*
2-Fluorophenol (Surr)	*59*		*32 - 105*	*09/13/23 06:57*	*09/14/23 06:40*	*1*
Nitrobenzene-d5 (Surr)	*64*		*34 - 109*	*09/13/23 06:57*	*09/14/23 06:40*	*1*
Phenol-d5 (Surr)	*59*		*34 - 105*	*09/13/23 06:57*	*09/14/23 06:40*	*1*
Terphenyl-d14 (Surr)	*56*		*20 - 117*	*09/13/23 06:57*	*09/14/23 06:40*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 119*	*09/13/23 06:57*	*09/14/23 06:40*	*1*

Lab Sample ID: LCS 180-446307/2-A
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.333	0.208		mg/Kg		62	41 - 100
Acenaphthylene	0.333	0.222		mg/Kg		67	45 - 100
Anthracene	0.333	0.207		mg/Kg		62	47 - 100
Benzo[a]anthracene	0.333	0.211		mg/Kg		63	47 - 100
Benzo[a]pyrene	0.333	0.223		mg/Kg		67	45 - 101
Benzo[b]fluoranthene	0.333	0.195		mg/Kg		58	44 - 100
Benzo[g,h,i]perylene	0.333	0.216		mg/Kg		65	45 - 103
Benzo[k]fluoranthene	0.333	0.190		mg/Kg		57	43 - 100
Chrysene	0.333	0.217		mg/Kg		65	44 - 100
Dibenz(a,h)anthracene	0.333	0.220		mg/Kg		66	46 - 107
Dibenzofuran	0.333	0.211		mg/Kg		63	47 - 100
2,4-Dinitrotoluene	0.333	0.250		mg/Kg		75	48 - 106
1,4-Dioxane	0.333	0.212		mg/Kg		63	10 - 133
Fluoranthene	0.333	0.219		mg/Kg		66	49 - 102
Fluorene	0.333	0.214		mg/Kg		64	46 - 100

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-446307/2-A
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	0.333	0.218		mg/Kg		65	45 - 101
Hexachlorobutadiene	0.333	0.244		mg/Kg		73	38 - 110
Hexachloroethane	0.333	0.216		mg/Kg		65	40 - 100
Indeno[1,2,3-cd]pyrene	0.333	0.217		mg/Kg		65	48 - 104
2-Methylphenol	0.333	0.201		mg/Kg		60	43 - 101
Methylphenol, 3 & 4	0.333	0.213		mg/Kg		64	43 - 104
Naphthalene	0.333	0.214		mg/Kg		64	43 - 100
Nitrobenzene	0.333	0.210		mg/Kg		63	43 - 107
Pentachlorophenol	0.667	0.448		mg/Kg		67	34 - 112
Phenanthrene	0.333	0.198		mg/Kg		59	46 - 100
Phenol	0.333	0.211		mg/Kg		63	42 - 103
Pyrene	0.333	0.207		mg/Kg		62	44 - 102
Pyridine	0.667	0.467		mg/Kg		70	25 - 109
2,4,5-Trichlorophenol	0.333	0.212		mg/Kg		64	47 - 108
2,4,6-Trichlorophenol	0.333	0.231		mg/Kg		69	47 - 108

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*35 - 105*
2-Fluorophenol (Surr)	*67*		*32 - 105*
Nitrobenzene-d5 (Surr)	*63*		*34 - 109*
Phenol-d5 (Surr)	*62*		*34 - 105*
Terphenyl-d14 (Surr)	*58*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 119*

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 446307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		0.686	0.424		mg/Kg	☼	62	41 - 100
Acenaphthylene	ND		0.686	0.444		mg/Kg	☼	65	45 - 100
Anthracene	ND		0.686	0.430		mg/Kg	☼	63	47 - 100
Benzo[a]anthracene	ND		0.686	0.441		mg/Kg	☼	64	47 - 100
Benzo[a]pyrene	ND		0.686	0.444		mg/Kg	☼	65	45 - 101
Benzo[b]fluoranthene	ND		0.686	0.389		mg/Kg	☼	57	44 - 100
Benzo[g,h,i]perylene	ND		0.686	0.439		mg/Kg	☼	64	45 - 103
Benzo[k]fluoranthene	ND		0.686	0.383		mg/Kg	☼	56	43 - 100
Chrysene	ND		0.686	0.446		mg/Kg	☼	65	44 - 100
Dibenz(a,h)anthracene	ND		0.686	0.450		mg/Kg	☼	66	46 - 107
Dibenzofuran	ND		0.686	0.430		mg/Kg	☼	63	47 - 100
2,4-Dinitrotoluene	ND		0.686	0.514		mg/Kg	☼	75	48 - 106
1,4-Dioxane	ND		0.686	0.321		mg/Kg	☼	47	10 - 133
Fluoranthene	ND		0.686	0.458		mg/Kg	☼	67	49 - 102
Fluorene	ND		0.686	0.440		mg/Kg	☼	64	46 - 100
Hexachlorobenzene	ND		0.686	0.449		mg/Kg	☼	65	45 - 101
Hexachlorobutadiene	ND		0.686	0.433		mg/Kg	☼	63	38 - 110
Hexachloroethane	ND		0.686	0.381		mg/Kg	☼	56	40 - 100
Indeno[1,2,3-cd]pyrene	ND		0.686	0.441		mg/Kg	☼	64	48 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 446307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	ND		0.686	0.380		mg/Kg	☼	55	43 - 101
Methylphenol, 3 & 4	ND		0.686	0.402		mg/Kg	☼	59	43 - 104
Naphthalene	ND		0.686	0.396		mg/Kg	☼	58	43 - 100
Nitrobenzene	ND		0.686	0.389		mg/Kg	☼	57	43 - 107
Pentachlorophenol	ND		1.37	0.570		mg/Kg	☼	42	34 - 112
Phenanthrene	ND		0.686	0.422		mg/Kg	☼	61	46 - 100
Phenol	ND		0.686	0.410		mg/Kg	☼	60	42 - 103
Pyrene	ND		0.686	0.432		mg/Kg	☼	63	44 - 102
Pyridine	ND		1.37	0.682		mg/Kg	☼	50	25 - 109
2,4,5-Trichlorophenol	ND		0.686	0.412		mg/Kg	☼	60	47 - 108
2,4,6-Trichlorophenol	ND		0.686	0.442		mg/Kg	☼	64	47 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*35 - 105*
2-Fluorophenol (Surr)	*53*		*32 - 105*
Nitrobenzene-d5 (Surr)	*55*		*34 - 109*
Phenol-d5 (Surr)	*57*		*34 - 105*
Terphenyl-d14 (Surr)	*58*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 119*

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 446307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		0.686	0.416		mg/Kg	☼	61	41 - 100	2	22
Acenaphthylene	ND		0.686	0.427		mg/Kg	☼	62	45 - 100	4	23
Anthracene	ND		0.686	0.419		mg/Kg	☼	61	47 - 100	3	26
Benzo[a]anthracene	ND		0.686	0.426		mg/Kg	☼	62	47 - 100	4	24
Benzo[a]pyrene	ND		0.686	0.438		mg/Kg	☼	64	45 - 101	1	21
Benzo[b]fluoranthene	ND		0.686	0.387		mg/Kg	☼	56	44 - 100	0	26
Benzo[g,h,i]perylene	ND		0.686	0.448		mg/Kg	☼	65	45 - 103	2	22
Benzo[k]fluoranthene	ND		0.686	0.397		mg/Kg	☼	58	43 - 100	4	18
Chrysene	ND		0.686	0.438		mg/Kg	☼	64	44 - 100	2	26
Dibenz(a,h)anthracene	ND		0.686	0.454		mg/Kg	☼	66	46 - 107	1	24
Dibenzofuran	ND		0.686	0.420		mg/Kg	☼	61	47 - 100	2	19
2,4-Dinitrotoluene	ND		0.686	0.502		mg/Kg	☼	73	48 - 106	2	20
1,4-Dioxane	ND		0.686	0.312		mg/Kg	☼	45	10 - 133	3	40
Fluoranthene	ND		0.686	0.446		mg/Kg	☼	65	49 - 102	3	26
Fluorene	ND		0.686	0.429		mg/Kg	☼	62	46 - 100	2	22
Hexachlorobenzene	ND		0.686	0.449		mg/Kg	☼	65	45 - 101	0	27
Hexachlorobutadiene	ND		0.686	0.428		mg/Kg	☼	62	38 - 110	1	27
Hexachloroethane	ND		0.686	0.372		mg/Kg	☼	54	40 - 100	3	27
Indeno[1,2,3-cd]pyrene	ND		0.686	0.447		mg/Kg	☼	65	48 - 104	1	22
2-Methylphenol	ND		0.686	0.382		mg/Kg	☼	56	43 - 101	1	27
Methylphenol, 3 & 4	ND		0.686	0.411		mg/Kg	☼	60	43 - 104	2	24
Naphthalene	ND		0.686	0.403		mg/Kg	☼	59	43 - 100	2	28
Nitrobenzene	ND		0.686	0.391		mg/Kg	☼	57	43 - 107	0	28

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 446459

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 446307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorophenol	ND		1.37	0.562		mg/Kg	☼	41	34 - 112	1	28
Phenanthrene	ND		0.686	0.414		mg/Kg	☼	60	46 - 100	2	27
Phenol	ND		0.686	0.407		mg/Kg	☼	59	42 - 103	1	30
Pyrene	ND		0.686	0.414		mg/Kg	☼	60	44 - 102	4	27
Pyridine	ND		1.37	0.666		mg/Kg	☼	49	25 - 109	2	31
2,4,5-Trichlorophenol	ND		0.686	0.420		mg/Kg	☼	61	47 - 108	2	19
2,4,6-Trichlorophenol	ND		0.686	0.437		mg/Kg	☼	64	47 - 108	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*53*		*35 - 105*
2-Fluorophenol (Surr)	*54*		*32 - 105*
Nitrobenzene-d5 (Surr)	*54*		*34 - 109*
Phenol-d5 (Surr)	*57*		*34 - 105*
Terphenyl-d14 (Surr)	*57*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*65*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-445811/1-A
Matrix: Solid
Analysis Batch: 445846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1221	ND		0.017	0.0059	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1232	ND		0.017	0.0041	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1242	ND		0.017	0.0024	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1248	ND		0.017	0.0040	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1254	ND		0.017	0.0050	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1260	ND		0.017	0.0047	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1262	ND		0.017	0.0059	mg/Kg		09/07/23 14:37	09/08/23 06:26	1
PCB-1268	ND		0.017	0.0022	mg/Kg		09/07/23 14:37	09/08/23 06:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*09/07/23 14:37*	*09/08/23 06:26*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*09/07/23 14:37*	*09/08/23 06:26*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*09/07/23 14:37*	*09/08/23 06:26*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*09/07/23 14:37*	*09/08/23 06:26*	*1*

Lab Sample ID: LCS 180-445811/2-A
Matrix: Solid
Analysis Batch: 445846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1.33	1.44		mg/Kg		108	43 - 136		
PCB-1260			1.33	1.41		mg/Kg		106	55 - 128		

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-445811/2-A
Matrix: Solid
Analysis Batch: 445846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445811

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	94		63 - 138
DCB Decachlorobiphenyl (Surr)	98		63 - 138
Tetrachloro-m-xylene (Surr)	101		55 - 135
Tetrachloro-m-xylene (Surr)	103		55 - 135

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 445846

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1.37	1.13		mg/Kg	☼	82	43 - 136
PCB-1260	ND		1.37	1.20		mg/Kg	☼	87	55 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	66		63 - 138
DCB Decachlorobiphenyl (Surr)	67		63 - 138
Tetrachloro-m-xylene (Surr)	72		55 - 135
Tetrachloro-m-xylene (Surr)	78		55 - 135

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 445846

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1.37	1.32		mg/Kg	☼	96	43 - 136	15	40
PCB-1260	ND		1.37	1.36		mg/Kg	☼	99	55 - 128	13	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	78		63 - 138
DCB Decachlorobiphenyl (Surr)	79		63 - 138
Tetrachloro-m-xylene (Surr)	87		55 - 135
Tetrachloro-m-xylene (Surr)	91		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-445520/1-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.94	0.59	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Barium	ND		19	3.4	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Beryllium	ND		0.38	0.10	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Cadmium	ND		0.47	0.069	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Chromium	ND		0.47	0.43	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Copper	ND		2.4	1.4	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Lead	ND		0.94	0.82	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Manganese	ND		1.4	0.26	mg/Kg		09/05/23 11:41	10/04/23 19:04	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-445520/1-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		3.8	0.48	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Selenium	ND		0.94	0.43	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Silver	ND		0.47	0.098	mg/Kg		09/05/23 11:41	10/04/23 19:04	1
Zinc	ND		1.9	1.4	mg/Kg		09/05/23 11:41	10/04/23 19:04	1

Lab Sample ID: LCS 180-445520/2-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	96.2	103		mg/Kg		107	80 - 120
Barium	96.2	101		mg/Kg		105	80 - 120
Beryllium	48.1	51.4		mg/Kg		107	80 - 120
Cadmium	48.1	52.0		mg/Kg		108	80 - 120
Chromium	48.1	49.3		mg/Kg		103	80 - 120
Copper	48.1	49.9		mg/Kg		104	80 - 120
Lead	48.1	49.0		mg/Kg		102	80 - 120
Manganese	48.1	49.8		mg/Kg		104	80 - 120
Nickel	48.1	47.9		mg/Kg		100	80 - 120
Selenium	96.2	107		mg/Kg		111	80 - 120
Silver	24.0	23.8		mg/Kg		99	80 - 120
Zinc	24.0	25.6		mg/Kg		106	80 - 120

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	11		94.8	104		mg/Kg	☼	99	75 - 125
Barium	94		94.8	179		mg/Kg	☼	89	75 - 125
Beryllium	0.59		47.4	47.0		mg/Kg	☼	98	75 - 125
Cadmium	0.37	J	47.4	48.7		mg/Kg	☼	102	75 - 125
Chromium	16		47.4	60.4		mg/Kg	☼	94	75 - 125
Copper	28		47.4	80.7		mg/Kg	☼	112	75 - 125
Lead	11		47.4	57.2		mg/Kg	☼	98	75 - 125
Manganese	540		47.4	594	4	mg/Kg	☼	110	75 - 125
Nickel	27		47.4	75.7		mg/Kg	☼	103	75 - 125
Selenium	ND		94.8	97.3		mg/Kg	☼	103	75 - 125
Silver	ND		23.7	22.1		mg/Kg	☼	93	75 - 125
Zinc	67		23.7	89.3		mg/Kg	☼	92	75 - 125

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	11		94.8	102		mg/Kg	☼	96	75 - 125	3	20
Barium	94		94.8	184		mg/Kg	☼	95	75 - 125	3	20
Beryllium	0.59		47.4	47.2		mg/Kg	☼	98	75 - 125	0	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-161819-3 MSD — **Client Sample ID: SSHS-IRM5A2-A14C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 448421 — **Prep Batch: 445520**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium	0.37	J	47.4	46.8		mg/Kg	☼	98	75 - 125	4	20
Chromium	16		47.4	58.8		mg/Kg	☼	90	75 - 125	3	20
Copper	28		47.4	73.0		mg/Kg	☼	96	75 - 125	10	20
Lead	11		47.4	63.6		mg/Kg	☼	112	75 - 125	11	20
Manganese	540		47.4	652	4	mg/Kg	☼	233	75 - 125	9	20
Nickel	27		47.4	72.7		mg/Kg	☼	97	75 - 125	4	20
Selenium	ND		94.8	92.6		mg/Kg	☼	98	75 - 125	5	20
Silver	ND		23.7	21.8		mg/Kg	☼	92	75 - 125	1	20
Zinc	67		23.7	89.7		mg/Kg	☼	94	75 - 125	0	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-445483/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 445657 — **Prep Batch: 445483**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		09/05/23 10:30	09/06/23 10:11	1

Lab Sample ID: LCS 180-445483/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 445657 — **Prep Batch: 445483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.376		mg/Kg		90	80 - 120

Lab Sample ID: 180-161819-3 MS — **Client Sample ID: SSHS-IRM5A2-A14C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 445657 — **Prep Batch: 445483**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F1	0.166	0.131	F1	mg/Kg	☼	79	80 - 120

Lab Sample ID: 180-161819-3 MSD — **Client Sample ID: SSHS-IRM5A2-A14C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 445657 — **Prep Batch: 445483**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1	0.166	0.131	F1	mg/Kg	☼	79	80 - 120	0	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-161819-6 DU — **Client Sample ID: SSHS-IRM5A2-A15C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 445677

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.6		5.4		%		3	10
Percent Solids	94.4		94.6		%		0.2	10

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-445420/1-A
Matrix: Solid
Analysis Batch: 445624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		09/02/23 14:01	09/06/23 09:51	1

Lab Sample ID: LCSI 180-445420/3-A
Matrix: Solid
Analysis Batch: 445624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445420

Analyte			Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits		
Hexavalent chromium			708	654		mg/Kg		92	80 - 120		

Lab Sample ID: LCSS 180-445420/2-A
Matrix: Solid
Analysis Batch: 445624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445420

Analyte			Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexavalent chromium			20.0	22.2		mg/Kg		111	80 - 120		

Lab Sample ID: 180-161819-3 MSI
Matrix: Solid
Analysis Batch: 445624

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits		
Hexavalent chromium	ND		747	668		mg/Kg	☼	89	75 - 125		

Lab Sample ID: 180-161819-3 MSS
Matrix: Solid
Analysis Batch: 445624

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexavalent chromium	ND		20.9	21.7		mg/Kg	☼	104	75 - 125		

Lab Sample ID: 180-161819-3 DU
Matrix: Solid
Analysis Batch: 445624

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 445420

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Hexavalent chromium	ND			ND		mg/Kg	☼			NC	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-446135/4-A
Matrix: Solid
Analysis Batch: 446376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		09/12/23 12:45	09/12/23 15:31	1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: HLCS 180-446135/2-A
Matrix: Solid
Analysis Batch: 446376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446135

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.253		mg/Kg		101	90 - 110

Lab Sample ID: LCS 180-446135/3-A
Matrix: Solid
Analysis Batch: 446376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	109		mg/Kg		90	17 - 163

Lab Sample ID: LLCS 180-446135/1-A
Matrix: Solid
Analysis Batch: 446376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446135

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0485		mg/Kg		97	90 - 110

Lab Sample ID: 180-161819-3 MS
Matrix: Solid
Analysis Batch: 446376

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 446135

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND		3.48	3.33		mg/Kg	☼	96	75 - 125

Lab Sample ID: 180-161819-3 MSD
Matrix: Solid
Analysis Batch: 446376

Client Sample ID: SSHS-IRM5A2-A14C
Prep Type: Total/NA
Prep Batch: 446135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND		3.36	3.21		mg/Kg	☼	95	75 - 125	4	20

GC/MS VOA

Analysis Batch: 445423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-4	SSHS-IRM5A2-A15A	Total/NA	Solid	EPA 8260C	445429
180-161819-5	SSHS-IRM5A2-A15B	Total/NA	Solid	EPA 8260C	445429
180-161819-7	SSHS-IRM5A2-DUP17A	Total/NA	Solid	EPA 8260C	445429
180-161819-8	SSHS-IRM5A2-DUP17B	Total/NA	Solid	EPA 8260C	445429
MB 180-445423/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-445423/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-445423/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 445429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-1	SSHS-IRM5A2-A14A	Total/NA	Solid	5035	
180-161819-1 - RA	SSHS-IRM5A2-A14A	Total/NA	Solid	5035	
180-161819-2	SSHS-IRM5A2-A14B	Total/NA	Solid	5035	
180-161819-4	SSHS-IRM5A2-A15A	Total/NA	Solid	5035	
180-161819-5	SSHS-IRM5A2-A15B	Total/NA	Solid	5035	
180-161819-7	SSHS-IRM5A2-DUP17A	Total/NA	Solid	5035	
180-161819-8	SSHS-IRM5A2-DUP17B	Total/NA	Solid	5035	
180-161819-1 MS	SSHS-IRM5A2-A14A	Total/NA	Solid	5035	
180-161819-1 MSD	SSHS-IRM5A2-A14A	Total/NA	Solid	5035	
180-161819-2 MS	SSHS-IRM5A2-A14B	Total/NA	Solid	5035	
180-161819-2 MSD	SSHS-IRM5A2-A14B	Total/NA	Solid	5035	

Analysis Batch: 445470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-1	SSHS-IRM5A2-A14A	Total/NA	Solid	EPA 8260C	445429
180-161819-1 - RA	SSHS-IRM5A2-A14A	Total/NA	Solid	EPA 8260C	445429
180-161819-2	SSHS-IRM5A2-A14B	Total/NA	Solid	EPA 8260C	445429
MB 180-445470/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-445470/12	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-161819-1 MS	SSHS-IRM5A2-A14A	Total/NA	Solid	EPA 8260C	445429
180-161819-1 MSD	SSHS-IRM5A2-A14A	Total/NA	Solid	EPA 8260C	445429
180-161819-2 MS	SSHS-IRM5A2-A14B	Total/NA	Solid	EPA 8260C	445429
180-161819-2 MSD	SSHS-IRM5A2-A14B	Total/NA	Solid	EPA 8260C	445429

GC/MS Semi VOA

Prep Batch: 446307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	3541	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	3541	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	3541	
MB 180-446307/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-446307/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	3541	
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	3541	

Analysis Batch: 446459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 8270D LL	446307
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	EPA 8270D LL	446307
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 8270D LL	446307

GC/MS Semi VOA (Continued)

Analysis Batch: 446459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-446307/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	446307
LCS 180-446307/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	446307
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 8270D LL	446307
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 8270D LL	446307

GC Semi VOA

Prep Batch: 445811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	3541	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	3541	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	3541	
MB 180-445811/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-445811/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	3541	
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	3541	

Cleanup Batch: 445841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	3665A	445811
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	3665A	445811
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	3665A	445811
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	3665A	445811
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	3665A	445811

Cleanup Batch: 445842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	3660B	445841
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	3660B	445841
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	3660B	445841
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	3660B	445841
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	3660B	445841

Analysis Batch: 445846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 8082A	445842
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	EPA 8082A	445842
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 8082A	445842
MB 180-445811/1-A	Method Blank	Total/NA	Solid	EPA 8082A	445811
LCS 180-445811/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	445811
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 8082A	445842
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 8082A	445842

Metals

Prep Batch: 445483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	7471B	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	7471B	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	7471B	
MB 180-445483/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-445483/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 445483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	7471B	
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	7471B	

Prep Batch: 445520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	3050B	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	3050B	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	3050B	
MB 180-445520/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-445520/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	3050B	
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	3050B	

Analysis Batch: 445657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7471B	445483
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	EPA 7471B	445483
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 7471B	445483
MB 180-445483/1-A	Method Blank	Total/NA	Solid	EPA 7471B	445483
LCS 180-445483/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	445483
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7471B	445483
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7471B	445483

Analysis Batch: 448168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 6010C	445520

Analysis Batch: 448421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 6010C	445520
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	EPA 6010C	445520
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 6010C	445520
MB 180-445520/1-A	Method Blank	Total/NA	Solid	EPA 6010C	445520
LCS 180-445520/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	445520
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 6010C	445520
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 6010C	445520

General Chemistry

Prep Batch: 445420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	3060A	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	3060A	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	3060A	
MB 180-445420/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-445420/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-445420/2-A	Lab Control Sample	Total/NA	Solid	3060A	
180-161819-3 MSI	SSHS-IRM5A2-A14C	Total/NA	Solid	3060A	
180-161819-3 MSS	SSHS-IRM5A2-A14C	Total/NA	Solid	3060A	
180-161819-3 DU	SSHS-IRM5A2-A14C	Total/NA	Solid	3060A	

General Chemistry

Analysis Batch: 445624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7196A	445420
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	EPA 7196A	445420
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 7196A	445420
MB 180-445420/1-A	Method Blank	Total/NA	Solid	EPA 7196A	445420
LCSI 180-445420/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	445420
LCSS 180-445420/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	445420
180-161819-3 MSI	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7196A	445420
180-161819-3 MSS	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7196A	445420
180-161819-3 DU	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 7196A	445420

Analysis Batch: 445677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-1	SSHS-IRM5A2-A14A	Total/NA	Solid	2540G	
180-161819-2	SSHS-IRM5A2-A14B	Total/NA	Solid	2540G	
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	2540G	
180-161819-4	SSHS-IRM5A2-A15A	Total/NA	Solid	2540G	
180-161819-5	SSHS-IRM5A2-A15B	Total/NA	Solid	2540G	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	2540G	
180-161819-7	SSHS-IRM5A2-DUP17A	Total/NA	Solid	2540G	
180-161819-8	SSHS-IRM5A2-DUP17B	Total/NA	Solid	2540G	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	2540G	
180-161819-6 DU	SSHS-IRM5A2-A15C	Total/NA	Solid	2540G	

Prep Batch: 446135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	9010C	
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	9010C	
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	9010C	
MB 180-446135/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-446135/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-446135/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-446135/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	9010C	
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	9010C	

Analysis Batch: 446376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161819-3	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 9014	446135
180-161819-6	SSHS-IRM5A2-A15C	Total/NA	Solid	EPA 9014	446135
180-161819-9	SSHS-IRM5A2-DUP17C	Total/NA	Solid	EPA 9014	446135
MB 180-446135/4-A	Method Blank	Total/NA	Solid	EPA 9014	446135
HLCS 180-446135/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	446135
LCS 180-446135/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	446135
LLCS 180-446135/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	446135
180-161819-3 MS	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 9014	446135
180-161819-3 MSD	SSHS-IRM5A2-A14C	Total/NA	Solid	EPA 9014	446135

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 7 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A14A	9/1/23	1430	G	Solid	N	Y	X													12	Containers for PFAS sent directly to Eurofins Sacramento Pittsburgh will log all samples/analyses
SSHS-IRM5A2-A14B	9/1/23	1430	G	Solid	N	Y	X													12	
SSHS-IRM5A2-A14C	9/1/23	1430	C	Solid	N	Y		X		X		X	X	X	X	X				12	
SSHS-IRM5A2-A15A	9/1/23	1445	G	Solid	N	N	X													4	
SSHS-IRM5A2-A15B	9/1/23	1445	G	Solid	N	N	X													4	
SSHS-IRM5A2-A15C	9/1/23	1445	C	Solid	N	N		X		X		X	X	X	X	X				6	
SSHS-IRM5A2-DUP17A	9/1/23	--	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP17B	9/1/23	--	G	Solid	N	N	X													4	
SSHS-IRM5A2-DUP17C	9/1/23	--	C	Solid	N	N		X		X		X	X	X	X	X				6	

180-161819 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer tha

☐ Return To Client ☐ sposal By Lab A ☐ ve For ____

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Miranda Stelmach	9/1/23/1700			9-2-23 0923	E Pittsburgh
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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10/4/2023

10/14/2023

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
FOURTH FLOOR
ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 01SEP23
ACTWGT: 50.00 LB
CAD: 252144956/INET4535
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA (PITTSBURGH) LABORATORY

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF: MN0832L
INV: 02
PO: 01 DEPT: 1751

583J5/76B4/0AE3

Uncorrected temp 2.6 °C
Thermometer ID 20

CF 0.0 Initials KR

PT-WI-SR-001 effective 7/26/13

FedEx Express

J23312307319uv

1 of 2

TRK# 0201 7732 2629 1250

MASTER

X0 AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT

15238
PA-US PIT

RT 639 1
FZ 12:00 A
1250
09.02

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 7 Day			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-161819 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (tarracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A14A	9/1/23	1430	G	Solid	N	Y	X										12	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A14B	9/1/23	1430	G	Solid	N	Y	X										12	
SSHS-IRM5A2-A14C	9/1/23	1430	C	Solid	N	Y		X		X		X	X	X	X	X	12	
SSHS-IRM5A2-A15A	9/1/23	1445	G	Solid	N	N	X										4	
SSHS-IRM5A2-A15B	9/1/23	1445	G	Solid	N	N	X										4	
SSHS-IRM5A2-A15C	9/1/23	1445	C	Solid	N	N		X		X		X	X	X	X	X	6	
SSHS-IRM5A2-DUP17A	9/1/23	--	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP17B	9/1/23	--	G	Solid	N	N	X										4	
SSHS-IRM5A2-DUP17C	9/1/23	--	C	Solid	N	N		X		X		X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab A☐ve For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Miranda Stelmach	Date/Time: 9/11/23 1701	Company	Received by:	Date/Time: 9/12/23 0945	Company DET SAC
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.0

Ver: 01/16/2019

10/14/2023

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Sacramento
Sample Receiving Notes

180-161819 Field Sheet

Job. _____

Tracking # 7732 2656 9603

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID 102 Corr Factor (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal Seal

Cooler ID _____

Temp Observed 5.0 °C Corrected 5.0 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials DM Date 9/2/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☒ DM 09/02/23
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date 09/02/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials DM Date 09/02/23

eurofins | Environment Testing

Sacramento
Sample Receiving Notes

180-161819 Field Sheet

Job _____

Tracking # 7732 2656 9603

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID 102 Corr Factor (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal. Seal

Cooler ID _____

Temp Observed 5.0 °C Corrected 5.0 °C
From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials DM Date 9/2/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☒ DM 09/02/23
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date 09/02/23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials DM Date 09/02/23



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N ID:ELMA (240) 938-7056
TRUCTION ENTRANCE GEOSYNTEC
YNTEC CONSULTANTS
OUTH MAIN STREET
TH FLOOR
A, NY 14904
D STATES US

SHIP DATE: 01SEP23
ACTWGT: 50.00 LB
CAD: 252144956/INET4535
DIMS: 30x18x12 IN

BILL SENDER

ESTAMERICA LABORATORY

VEST SACRAMENTO
80 RIVERSIDE PKWY
VEST SACRAMENTO CA 95605
373-5600 REF: MN0832L
32
1 DEPT: 1751

583J573849/AE3

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

7732 2656 9603

95605
CA-US SMF

X0 BLUA

Custody Seal

DATE

SIGNATURE

eurofins | Environment Testing TestAmerica

RT 145

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161819-1

Login Number: 161819
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/18/2023 5:37:08 PM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-163311-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-163311-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-163311-2

Receipt
The samples were received on 10/4/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.7º C, 2.7º C and 3.3º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-163311-2
Project/Site: Former Sperry Remington-Reuse

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163311-2
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163311-2
Project/Site: Former Sperry Remington-Reuse

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-163311-3	SSHS-IRM5A2-A16C	Solid	10/03/23 14:00	10/04/23 09:45
180-163311-6	SSHS-IRM5A2-A17C	Solid	10/03/23 14:15	10/04/23 09:45
180-163311-9	SSHS-IRM5A2-A18C	Solid	10/03/23 14:30	10/04/23 09:45
180-163311-12	SSHS-IRM5A2-A19C	Solid	10/03/23 14:45	10/04/23 09:45

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163311-2
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A16C
Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	711723	10/09/23 09:42	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	713254	10/13/23 16:03	K1S	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A17C
Lab Sample ID: 180-163311-6
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.41 g	10.0 mL	711723	10/09/23 09:42	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	713254	10/13/23 16:14	K1S	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A18C
Lab Sample ID: 180-163311-9
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.21 g	10.0 mL	711723	10/09/23 09:42	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	713254	10/13/23 16:25	K1S	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-A19C
Lab Sample ID: 180-163311-12
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	711723	10/09/23 09:42	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	713254	10/13/23 16:37	K1S	EET SAC
	Instrument ID: A23									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

EJR = Eduardo Rangel

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-2

Client Sample ID: SSHS-IRM5A2-A16C
Date Collected: 10/03/23 14:00
Date Received: 10/04/23 09:45

Lab Sample ID: 180-163311-3
Matrix: Solid
Percent Solids: 92.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	10/09/23 09:42	10/13/23 16:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C5 PFPeA	*84*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C2 PFHxA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C4 PFHpA	*89*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C4 PFOA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C5 PFNA	*82*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C2 PFDA	*83*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C2 PFUnA	*84*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C2 PFDoA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
18O2 PFHxS	*73*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C4 PFOS	*73*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
13C8 FOSA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:03*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-2

Client Sample ID: SSHS-IRM5A2-A17C
Date Collected: 10/03/23 14:15
Date Received: 10/04/23 09:45

Lab Sample ID: 180-163311-6
Matrix: Solid
Percent Solids: 93.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	10/09/23 09:42	10/13/23 16:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C5 PFPeA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C2 PFHxA	*87*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C4 PFOA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C5 PFNA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C2 PFDA	*84*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C2 PFUnA	*84*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C2 PFDoA	*87*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C3 PFBS	*73*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
18O2 PFHxS	*75*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C4 PFOS	*72*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
13C8 FOSA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*
M2-8:2 FTS	*73*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:14*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-2

Client Sample ID: SSHS-IRM5A2-A18C
Date Collected: 10/03/23 14:30
Date Received: 10/04/23 09:45

Lab Sample ID: 180-163311-9
Matrix: Solid
Percent Solids: 94.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	10/09/23 09:42	10/13/23 16:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C5 PFPeA	*83*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C2 PFHxA	*92*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C4 PFHpA	*85*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C4 PFOA	*83*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C5 PFNA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C2 PFDA	*83*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C2 PFUnA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C2 PFDoA	*84*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C3 PFBS	*77*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
18O2 PFHxS	*75*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C4 PFOS	*73*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
13C8 FOSA	*82*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
d3-NMeFOSAA	*74*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
M2-6:2 FTS	*60*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*
M2-8:2 FTS	*64*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:25*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-2

Client Sample ID: SSHS-IRM5A2-A19C
Date Collected: 10/03/23 14:45
Date Received: 10/04/23 09:45

Lab Sample ID: 180-163311-12
Matrix: Solid
Percent Solids: 93.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	10/09/23 09:42	10/13/23 16:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C5 PFPeA	*80*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C2 PFHxA	*89*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C4 PFHpA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C4 PFOA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C5 PFNA	*89*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C2 PFDA	*91*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C2 PFUnA	*95*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C2 PFDoA	*94*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C3 PFBS	*77*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
18O2 PFHxS	*76*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C4 PFOS	*79*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
13C8 FOSA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
M2-6:2 FTS	*74*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*
M2-8:2 FTS	*72*		*25 - 150*	*10/09/23 09:42*	*10/13/23 16:37*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-711723/1-A
Matrix: Solid
Analysis Batch: 713254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/09/23 09:42	10/13/23 13:59	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/09/23 09:42	10/13/23 13:59	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C5 PFPeA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C2 PFHxA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C4 PFHpA	*87*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C4 PFOA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C2 PFDA	*86*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C2 PFUnA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C2 PFDoA	*88*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C3 PFBS	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
18O2 PFHxS	*83*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C4 PFOS	*84*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
13C8 FOSA	*82*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*10/09/23 09:42*	*10/13/23 13:59*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-711723/2-A
Matrix: Solid
Analysis Batch: 713254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.06		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.04		ug/Kg		102	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.11		ug/Kg		105	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.13		ug/Kg		106	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.99		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.10		ug/Kg		105	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.10		ug/Kg		105	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.99		ug/Kg		99	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.04		ug/Kg		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.97		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.02		ug/Kg		101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.85		ug/Kg		104	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.77		ug/Kg		97	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.91		ug/Kg		100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.91		ug/Kg		102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.86		ug/Kg		96	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.17		ug/Kg		109	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.87		ug/Kg		93	72 - 132
6:2 FTS	1.90	2.29		ug/Kg		120	73 - 139
8:2 FTS	1.92	1.96		ug/Kg		102	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*89*		*25 - 150*
13C5 PFPeA	*82*		*25 - 150*
13C2 PFHxA	*87*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*84*		*25 - 150*
13C2 PFUnA	*88*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*
13C2 PFTeDA	*86*		*25 - 150*
13C3 PFBS	*86*		*25 - 150*
18O2 PFHxS	*88*		*25 - 150*
13C4 PFOS	*88*		*25 - 150*
13C8 FOSA	*80*		*25 - 150*
d3-NMeFOSAA	*81*		*25 - 150*
d5-NEtFOSAA	*84*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-711723/2-A
Matrix: Solid
Analysis Batch: 713254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711723

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	78		25 - 150
M2-8:2 FTS	88		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163311-2
Project/Site: Former Sperry Remington-Reuse

LCMS

Prep Batch: 711723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	SHAKE	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	SHAKE	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	SHAKE	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	SHAKE	
MB 320-711723/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-711723/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 713254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	537 (modified)	711723
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	537 (modified)	711723
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	537 (modified)	711723
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	537 (modified)	711723
MB 320-711723/1-A	Method Blank	Total/NA	Solid	537 (modified)	711723
LCS 320-711723/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	711723

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM.	Carrier Tracking No(s):	COC No
Client Contact: Mr. Aron Krasnopoler	Z MILLER	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832			
Phone:	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N						
SSHS-IRM5A2-A16A	10/3/23	1400	G	Solid	N	N	X														4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A16B	10/3/23	1400	G	Solid	N	N	X														4	
SSHS-IRM5A2-A16C	10/3/23	1400	C	Solid	N	N		X		X		X	X	X	X	X					6	
SSHS-IRM5A2-A17A	10/3/23	1415	G	Solid	N	N	X														4	
SSHS-IRM5A2-A17B	10/3/23	1415	G	Solid	N	N	X														4	
SSHS-IRM5A2-A17C	10/3/23	1415	C	Solid	N	N		X		X		X	X	X	X	X					6	
SSHS-IRM5A2-A18A	10/3/23	1430	G	Solid	N	N	X														4	
SSHS-IRM5A2-A18B	10/3/23	1430	G	Solid	N	N	X														4	
SSHS-IRM5A2-A18C	10/3/23	1430	C	Solid	N	N		X		X		X	X	X	X	X					6	
SSHS-IRM5A2-A19A	10/3/23	1445	G	Solid	N	N	X														4	
SSHS-IRM5A2-A19B	10/3/23	1445	G	Solid	N	N	X														4	

180-163311 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained long
☐ Return To Client ☐ Disposal By Lab ☐ Archive For

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	10/3/23 17:00	Geosyntec		10-4-23 0945	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A19C	10/3/23	1445	G	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	10/3/23 1730	Geosyntec		10/4-23 0945	FP, Hauf
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-163311 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS			Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N			X	
SSHS-IRM5A2-A16A	10/3/23	1400	G	Solid	N	N	X												4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A16B	10/3/23	1400	G	Solid	N	N	X												4	
SSHS-IRM5A2-A16C	10/3/23	1400	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A17A	10/3/23	1415	G	Solid	N	N	X												4	
SSHS-IRM5A2-A17B	10/3/23	1415	G	Solid	N	N	X												4	
SSHS-IRM5A2-A17C	10/3/23	1415	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A18A	10/3/23	1430	G	Solid	N	N	X												4	
SSHS-IRM5A2-A18B	10/3/23	1430	G	Solid	N	N	X												4	
SSHS-IRM5A2-A18C	10/3/23	1430	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A19A	10/3/23	1445	G	Solid	N	N	X												4	
SSHS-IRM5A2-A19B	10/3/23	1445	G	Solid	N	N	X												4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	10/3/23 17:00	Geosyntec		10/4/23 0930	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☑ Yes ☐ No | Custody Seal No.: 2103162 | Cooler Temperature(s) °C and Other Remarks: 3.3

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A19C	10/3/23	1445	G	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Zach Miller	Date/Time: 10/3/23 17:00	Company: Geosyntec	Received by:	Date/Time: 10/4/23 0930	Company: ESS
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 21631162 | Cooler Temperature(s) °C and Other Remarks: 3.7

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-496699.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: David.Dunlap@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 180-163311-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/17/2023			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Former Sperry Remington-Reuse	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3050B As,Ba,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,ZnLance	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-IRM5A2-A16C (180-163311-3)	10/3/23	14:00 Eastern		Solid			X	1	
SSHS-IRM5A2-A17C (180-163311-6)	10/3/23	14:15 Eastern		Solid			X	1	
SSHS-IRM5A2-A18C (180-163311-9)	10/3/23	14:30 Eastern		Solid			X	1	
SSHS-IRM5A2-A19C (180-163311-12)	10/3/23	14:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	10-4-23 1710	[illegible]	[signature]		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 10/5/23 1015	Company [illegible]

Custody Seals Intact: ☑ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 12 - 4.2 C: 4.0

LM

Ver: 06/08/2021

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Sacramento
Sample Receiving Notes

180-163311 Field Sheet

Job:_____

Tracking # : 7735 7620 3020

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: W2 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 2163162

Cooler ID: _____

Temp Observed: 3.3 °C Corrected: 3.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 10/4/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 10/4/23

Notes:_____

Trizma Lot #(s): _____

Ammonium
Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 10/4/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163311-2

Login Number: 163311
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163311-2

Login Number: 163311
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 10/04/23 04:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2163162
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/24/2023 9:51:39 AM

JOB DESCRIPTION

Former Sperry Remington-Reuse

JOB NUMBER

180-163311-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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10/24/2023 9:51:39 AM

Authorized for release by
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Job ID: 180-163311-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-163311-1

Receipt
The samples were received on 10/4/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.7º C, 2.7º C and 3.3º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-448403 was above the control limits for the following analytes: 2-Butanone and Acetone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-448403 was below criteria for the following analytes: 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Acetone, n-Butylbenzene, N-Propylbenzene, sec-Butylbenzene, and tert-Butylbenzene . A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010D: The following samples were diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-A16C (180-163311-3), SSHS-IRM5A2-A17C (180-163311-6), and SSHS-IRM5A2-A18C (180-163311-9). Arsenic, chromium, copper, lead, manganese, nickel, and zinc were reported from dilution due to inter-element corrections associated with iron.

Method 6010D: The Reporting Limit Check Standard (CRI) associated with batch 410-430311 (CRI 410-430311/10) recovered above the control limits for silver. As the CRI was high and silver was not detected in the associated samples, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	10-18-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-24

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-163311-1	SSHS-IRM5A2-A16A	Solid	10/03/23 14:00	10/04/23 09:45
180-163311-2	SSHS-IRM5A2-A16B	Solid	10/03/23 14:00	10/04/23 09:45
180-163311-3	SSHS-IRM5A2-A16C	Solid	10/03/23 14:00	10/04/23 09:45
180-163311-4	SSHS-IRM5A2-A17A	Solid	10/03/23 14:15	10/04/23 09:45
180-163311-5	SSHS-IRM5A2-A17B	Solid	10/03/23 14:15	10/04/23 09:45
180-163311-6	SSHS-IRM5A2-A17C	Solid	10/03/23 14:15	10/04/23 09:45
180-163311-7	SSHS-IRM5A2-A18A	Solid	10/03/23 14:30	10/04/23 09:45
180-163311-8	SSHS-IRM5A2-A18B	Solid	10/03/23 14:30	10/04/23 09:45
180-163311-9	SSHS-IRM5A2-A18C	Solid	10/03/23 14:30	10/04/23 09:45
180-163311-10	SSHS-IRM5A2-A19A	Solid	10/03/23 14:45	10/04/23 09:45
180-163311-11	SSHS-IRM5A2-A19B	Solid	10/03/23 14:45	10/04/23 09:45
180-163311-12	SSHS-IRM5A2-A19C	Solid	10/03/23 14:45	10/04/23 09:45

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	ELLE
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
EPA 7196A	Chromium, Hexavalent	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
3050B	Preparation, Metals	SW846	ELLE
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3541	Automated Soxhlet Extraction (Low Level)	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A16A
Lab Sample ID: 180-163311-1
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A16A
Lab Sample ID: 180-163311-1
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0023 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 12:49	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A16B
Lab Sample ID: 180-163311-2
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A16B
Lab Sample ID: 180-163311-2
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 13:11	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A16C
Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A16C
Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	448879	10/11/23 07:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	448994	10/12/23 12:42	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-1

Client Sample ID: SSHS-IRM5A2-A16C

Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	448439	10/05/23 13:40	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448482	10/06/23 05:33	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448483	10/06/23 05:34	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 16:52	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.05 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			433875	10/20/23 10:13	MT26	ELLE
	Instrument ID: T73 - 18255									
Total/NA	Prep	3050B			1.05 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		2			434763	10/23/23 09:38	T8CQ	ELLE
	Instrument ID: T73 - 18255									
Total/NA	Prep	3050B			1.05 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			430095	10/11/23 06:02	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	3050B			1.05 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		2			434023	10/20/23 18:09	T8CQ	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.68 g	100 mL	448273	10/05/23 09:00	S1Z	EET PIT
Total/NA	Analysis	EPA 7471B		1			448433	10/05/23 12:15	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.54 g	100 mL	448307	10/05/23 10:15	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	448533	10/06/23 09:09	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.31 g	10 mL	449185	10/13/23 15:30	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			449333	10/13/23 17:46	CMR	EET PIT
	Instrument ID: SHAMU									

Client Sample ID: SSHS-IRM5A2-A17A

Lab Sample ID: 180-163311-4
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A17A

Lab Sample ID: 180-163311-4
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3306 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 13:34	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A17B
Lab Sample ID: 180-163311-5
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A17B
Lab Sample ID: 180-163311-5
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3046 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 13:56	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A17C
Lab Sample ID: 180-163311-6
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A17C
Lab Sample ID: 180-163311-6
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	0.5 mL	448879	10/11/23 07:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	448994	10/12/23 13:05	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	448439	10/05/23 13:40	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448482	10/06/23 05:33	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448483	10/06/23 05:34	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 17:09	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.01 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			433875	10/20/23 10:07	MT26	ELLE
	Instrument ID: T73 - 18255									
Total/NA	Prep	3050B			1.01 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		2			434763	10/23/23 09:35	T8CQ	ELLE
	Instrument ID: T73 - 18255									
Total/NA	Prep	3050B			1.01 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			430095	10/11/23 05:35	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	3050B			1.01 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		2			434023	10/20/23 18:06	T8CQ	ELLE
	Instrument ID: T75 - 27278									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A17C
Lab Sample ID: 180-163311-6
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	100 mL	448273	10/05/23 09:00	S1Z	EET PIT
Total/NA	Analysis	EPA 7471B		1			448433	10/05/23 12:19	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	448307	10/05/23 10:15	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	448533	10/06/23 09:10	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.52 g	10 mL	449185	10/13/23 15:30	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			449333	10/13/23 17:47	CMR	EET PIT
	Instrument ID: SHAMU									

Client Sample ID: SSHS-IRM5A2-A18A
Lab Sample ID: 180-163311-7
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A18A
Lab Sample ID: 180-163311-7
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 14:18	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A18B
Lab Sample ID: 180-163311-8
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A18B
Lab Sample ID: 180-163311-8
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2264 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 14:40	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A18C
Lab Sample ID: 180-163311-9
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A18C
Lab Sample ID: 180-163311-9
Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	448879	10/11/23 07:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	448994	10/12/23 13:27	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	448439	10/05/23 13:40	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448482	10/06/23 05:33	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448483	10/06/23 05:34	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 17:27	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.12 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			433875	10/20/23 10:19	MT26	ELLE
	Instrument ID: T73 - 18255									
Total/NA	Prep	3050B			1.12 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		2			434763	10/23/23 09:42	T8CQ	ELLE
	Instrument ID: T73 - 18255									
Total/NA	Prep	3050B			1.12 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			430095	10/11/23 06:06	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	3050B			1.12 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		2			434023	10/20/23 18:30	T8CQ	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.64 g	100 mL	448273	10/05/23 09:00	S1Z	EET PIT
Total/NA	Analysis	EPA 7471B		1			448433	10/05/23 12:20	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.49 g	100 mL	448307	10/05/23 10:15	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	448533	10/06/23 09:11	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.51 g	10 mL	449185	10/13/23 15:30	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			449333	10/13/23 17:50	CMR	EET PIT
	Instrument ID: SHAMU									

Client Sample ID: SSHS-IRM5A2-A19A
Lab Sample ID: 180-163311-10
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A19A
Lab Sample ID: 180-163311-10
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1309 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 15:16	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A19B
Lab Sample ID: 180-163311-11
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A19B
Lab Sample ID: 180-163311-11
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4607 g	5 mL	448423	10/05/23 07:17	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448403	10/05/23 15:39	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-A19C
Lab Sample ID: 180-163311-12
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448446	10/05/23 15:04	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A19C
Lab Sample ID: 180-163311-12
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	448879	10/11/23 07:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D LL		1	1 mL	1 mL	448994	10/12/23 13:49	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	448439	10/05/23 13:40	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448482	10/06/23 05:33	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448483	10/06/23 05:34	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 17:45	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.11 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			430095	10/11/23 06:09	MT26	ELLE
	Instrument ID: T75 - 27278									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A19C
Lab Sample ID: 180-163311-12

Date Collected: 10/03/23 14:45
Matrix: Solid

Date Received: 10/04/23 09:45
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	428175	10/06/23 06:29	UAMX	ELLE
Total/NA	Analysis	6010D		1			430311	10/11/23 17:56	T8CQ	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.63 g	100 mL	448273	10/05/23 09:00	S1Z	EET PIT
Total/NA	Analysis	EPA 7471B		1			448433	10/05/23 12:21	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Prep	3060A			2.51 g	100 mL	448307	10/05/23 10:15	CMC	EET PIT
Total/NA	Analysis	EPA 7196A		1	4 mL	4 mL	448533	10/06/23 09:12	CMC	EET PIT
	Instrument ID: RAPID-T									
Total/NA	Prep	9010C			0.58 g	10 mL	449185	10/13/23 15:30	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			449333	10/13/23 17:50	CMR	EET PIT
	Instrument ID: SHAMU									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

CMC = Candace California
CMR = Carl Reagle
DVC = Daniel Capodanno
PJJ = Patrick Journet
S1Z = Sage Ziviello
VJC = Vincent Cervone

Batch Type: Analysis

CMC = Candace California
CMR = Carl Reagle
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Prep

UAMX = Annamaria Kuhns

Batch Type: Analysis

MT26 = Jason Knight
T8CQ = Sera Bargo

Client Sample ID: SSHS-IRM5A2-A16A

Lab Sample ID: 180-163311-1

Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.027	0.0042	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Benzene	ND		0.0054	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
2-Butanone (MEK)	ND	*1	0.027	0.0027	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Carbon tetrachloride	ND		0.0054	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Chlorobenzene	ND		0.0054	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Chloroform	ND		0.0054	0.0036	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
cis-1,2-Dichloroethene	ND		0.0054	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,2-Dichlorobenzene	ND		0.0054	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,3-Dichlorobenzene	ND		0.0054	0.0033	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,4-Dichlorobenzene	ND		0.0054	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,1-Dichloroethane	ND		0.0054	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,2-Dichloroethane	ND		0.0054	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,1-Dichloroethene	ND		0.0054	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,4-Dioxane	ND		1.1	0.081	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Ethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Methylene Chloride	ND		0.0054	0.0048	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Methyl tert-butyl ether	ND		0.0054	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
n-Butylbenzene	ND		0.0054	0.0027	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
N-Propylbenzene	ND		0.0054	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
sec-Butylbenzene	ND		0.0054	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
tert-Butylbenzene	ND		0.0054	0.0023	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Tetrachloroethene	ND		0.0054	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Toluene	ND		0.0054	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
trans-1,2-Dichloroethene	ND		0.0054	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,1,1-Trichloroethane	ND		0.0054	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Trichloroethene	ND		0.0054	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
1,3,5-Trimethylbenzene	ND		0.0054	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Vinyl chloride	ND		0.0054	0.0039	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1
Xylenes, Total	ND		0.011	0.0077	mg/Kg	☼	10/05/23 07:17	10/05/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*10/05/23 07:17*	*10/05/23 12:49*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*10/05/23 07:17*	*10/05/23 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*10/05/23 07:17*	*10/05/23 12:49*	*1*
Toluene-d8 (Surr)	*77*		*67 - 134*	*10/05/23 07:17*	*10/05/23 12:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.0**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**93.0**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A16B

Lab Sample ID: 180-163311-2

Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.026	0.0040	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1

Client Sample ID: SSHS-IRM5A2-A16B
Lab Sample ID: 180-163311-2
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*1	0.026	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Chlorobenzene	ND		0.0052	0.0013	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Chloroform	ND		0.0052	0.0035	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,2-Dichlorobenzene	ND		0.0052	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,1-Dichloroethene	ND		0.0052	0.0023	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,4-Dioxane	ND		1.0	0.078	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
N-Propylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
sec-Butylbenzene	ND		0.0052	0.0025	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Vinyl chloride	ND		0.0052	0.0037	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/05/23 07:17	10/05/23 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*10/05/23 07:17*	*10/05/23 13:11*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*10/05/23 07:17*	*10/05/23 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*	*10/05/23 07:17*	*10/05/23 13:11*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*10/05/23 07:17*	*10/05/23 13:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.9**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**94.1**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A16C
Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.4

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0072	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Acenaphthylene	ND		0.0072	0.0016	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Anthracene	ND		0.0072	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Benzo[a]anthracene	ND		0.0072	0.0032	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A16C
Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.4

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0072	0.0031	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Benzo[b]fluoranthene	ND		0.0072	0.0018	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Benzo[g,h,i]perylene	ND		0.0072	0.0015	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Benzo[k]fluoranthene	ND		0.0072	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Chrysene	ND		0.0072	0.0040	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Dibenz(a,h)anthracene	ND		0.0072	0.0046	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
1,4-Dioxane	ND		0.072	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Fluoranthene	ND		0.0072	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Fluorene	ND		0.0072	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Hexachlorobenzene	ND		0.0072	0.0026	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Hexachlorobutadiene	ND		0.0072	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Indeno[1,2,3-cd]pyrene	ND		0.0072	0.0036	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Methylphenol, 3 & 4	ND		0.035	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Naphthalene	ND		0.0072	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Nitrobenzene	ND		0.072	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Pentachlorophenol	ND		0.18	0.058	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Phenanthrene	ND		0.0072	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Phenol	ND		0.035	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Pyrene	ND		0.0072	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
Pyridine	ND		0.072	0.019	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*10/11/23 07:23*	*10/12/23 12:42*	*1*
2-Fluorophenol (Surr)	*54*		*32 - 105*	*10/11/23 07:23*	*10/12/23 12:42*	*1*
Nitrobenzene-d5 (Surr)	*55*		*34 - 109*	*10/11/23 07:23*	*10/12/23 12:42*	*1*
Phenol-d5 (Surr)	*57*		*34 - 105*	*10/11/23 07:23*	*10/12/23 12:42*	*1*
Terphenyl-d14 (Surr)	*60*		*20 - 117*	*10/11/23 07:23*	*10/12/23 12:42*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 119*	*10/11/23 07:23*	*10/12/23 12:42*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1232	ND		0.018	0.0044	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1254	ND		0.018	0.0054	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	10/05/23 13:40	10/06/23 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*10/05/23 13:40*	*10/06/23 16:52*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*10/05/23 13:40*	*10/06/23 16:52*	*1*

Client Sample ID: SSHS-IRM5A2-A16C

Lab Sample ID: 180-163311-3
Date Collected: 10/03/23 14:00
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*10/05/23 13:40*	*10/06/23 16:52*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*10/05/23 13:40*	*10/06/23 16:52*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**		6.2	2.9	mg/Kg	☼	10/06/23 06:29	10/23/23 09:38	2
Barium	**98**		0.52	0.15	mg/Kg	☼	10/06/23 06:29	10/11/23 06:02	1
Beryllium	**0.59**		0.52	0.10	mg/Kg	☼	10/06/23 06:29	10/11/23 06:02	1
Cadmium	ND		0.52	0.10	mg/Kg	☼	10/06/23 06:29	10/11/23 06:02	1
Chromium	**16**		3.1	1.2	mg/Kg	☼	10/06/23 06:29	10/20/23 18:09	2
Copper	**23**		4.1	1.6	mg/Kg	☼	10/06/23 06:29	10/20/23 18:09	2
Lead	**12**		3.1	1.2	mg/Kg	☼	10/06/23 06:29	10/20/23 18:09	2
Manganese	**490**	**B**	2.1	0.82	mg/Kg	☼	10/06/23 06:29	10/20/23 18:09	2
Nickel	**26**		2.1	0.82	mg/Kg	☼	10/06/23 06:29	10/20/23 18:09	2
Selenium	ND		5.2	1.5	mg/Kg	☼	10/06/23 06:29	10/20/23 10:13	1
Silver	ND	^3+	1.0	0.41	mg/Kg	☼	10/06/23 06:29	10/11/23 06:02	1
Zinc	**64**		4.1	1.6	mg/Kg	☼	10/06/23 06:29	10/20/23 18:09	2

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	10/05/23 09:00	10/05/23 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.6**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**92.4**		0.1	0.1	%			10/05/23 15:04	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	10/05/23 10:15	10/06/23 09:09	1
Cyanide, Total (SW846 EPA 9014)	ND		0.35	0.27	mg/Kg	☼	10/13/23 15:30	10/13/23 17:46	1

Client Sample ID: SSHS-IRM5A2-A17A

Lab Sample ID: 180-163311-4
Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.025	0.0039	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Benzene	ND		0.0050	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
2-Butanone (MEK)	ND	*1	0.025	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Chloroform	ND		0.0050	0.0034	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,4-Dioxane	ND		1.0	0.076	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1

Client Sample ID: SSHS-IRM5A2-A17A

Lab Sample ID: 180-163311-4

Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Toluene	ND		0.0050	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg	☼	10/05/23 07:17	10/05/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*10/05/23 07:17*	*10/05/23 13:34*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*10/05/23 07:17*	*10/05/23 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*	*10/05/23 07:17*	*10/05/23 13:34*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*10/05/23 07:17*	*10/05/23 13:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.6**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**93.4**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A17B

Lab Sample ID: 180-163311-5

Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.025	0.0038	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
2-Butanone (MEK)	ND	*1	0.025	0.0025	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Chloroform	ND		0.0049	0.0033	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,4-Dioxane	ND		0.98	0.074	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1

Client Sample ID: SSHS-IRM5A2-A17B
Lab Sample ID: 180-163311-5

Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1
Xylenes, Total	ND		0.0098	0.0071	mg/Kg	☼	10/05/23 07:17	10/05/23 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*10/05/23 07:17*	*10/05/23 13:56*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*10/05/23 07:17*	*10/05/23 13:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*10/05/23 07:17*	*10/05/23 13:56*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*10/05/23 07:17*	*10/05/23 13:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.0**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**96.0**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A17C
Lab Sample ID: 180-163311-6

Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.7

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0070	0.0020	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Acenaphthylene	ND		0.0070	0.0015	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Anthracene	ND		0.0070	0.0018	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Benzo[a]anthracene	ND		0.0070	0.0031	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Benzo[a]pyrene	ND		0.0070	0.0030	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Benzo[b]fluoranthene	ND		0.0070	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Benzo[g,h,i]perylene	ND		0.0070	0.0015	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Benzo[k]fluoranthene	ND		0.0070	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Chrysene	ND		0.0070	0.0039	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Dibenz(a,h)anthracene	ND		0.0070	0.0045	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
1,4-Dioxane	ND		0.070	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Fluoranthene	ND		0.0070	0.0018	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Fluorene	ND		0.0070	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Hexachlorobenzene	ND		0.0070	0.0025	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Hexachlorobutadiene	ND		0.0070	0.0020	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1

Client Sample ID: SSHS-IRM5A2-A17C
Date Collected: 10/03/23 14:15
Date Received: 10/04/23 09:45

Lab Sample ID: 180-163311-6
Matrix: Solid
Percent Solids: 93.7

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0070	0.0035	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Naphthalene	ND		0.0070	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Nitrobenzene	ND		0.070	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Pentachlorophenol	ND		0.18	0.056	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Phenanthrene	ND		0.0070	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Phenol	ND		0.035	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Pyrene	ND		0.0070	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
Pyridine	ND		0.070	0.019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*35 - 105*	*10/11/23 07:23*	*10/12/23 13:05*	*1*
2-Fluorophenol (Surr)	*46*		*32 - 105*	*10/11/23 07:23*	*10/12/23 13:05*	*1*
Nitrobenzene-d5 (Surr)	*48*		*34 - 109*	*10/11/23 07:23*	*10/12/23 13:05*	*1*
Phenol-d5 (Surr)	*51*		*34 - 105*	*10/11/23 07:23*	*10/12/23 13:05*	*1*
Terphenyl-d14 (Surr)	*56*		*20 - 117*	*10/11/23 07:23*	*10/12/23 13:05*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*20 - 119*	*10/11/23 07:23*	*10/12/23 13:05*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	10/05/23 13:40	10/06/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*10/05/23 13:40*	*10/06/23 17:09*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*10/05/23 13:40*	*10/06/23 17:09*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*10/05/23 13:40*	*10/06/23 17:09*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*10/05/23 13:40*	*10/06/23 17:09*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		6.3	3.0	mg/Kg	☼	10/06/23 06:29	10/23/23 09:35	2
Barium	**100**		0.53	0.16	mg/Kg	☼	10/06/23 06:29	10/11/23 05:35	1
Beryllium	**0.62**		0.53	0.11	mg/Kg	☼	10/06/23 06:29	10/11/23 05:35	1
Cadmium	ND		0.53	0.11	mg/Kg	☼	10/06/23 06:29	10/11/23 05:35	1
Chromium	**16**		3.2	1.3	mg/Kg	☼	10/06/23 06:29	10/20/23 18:06	2
Copper	**24**		4.2	1.6	mg/Kg	☼	10/06/23 06:29	10/20/23 18:06	2
Lead	**13**		3.2	1.3	mg/Kg	☼	10/06/23 06:29	10/20/23 18:06	2
Manganese	**600**	**B**	2.1	0.85	mg/Kg	☼	10/06/23 06:29	10/20/23 18:06	2
Nickel	**27**		2.1	0.85	mg/Kg	☼	10/06/23 06:29	10/20/23 18:06	2

Client Sample ID: SSHS-IRM5A2-A17C
Lab Sample ID: 180-163311-6

Date Collected: 10/03/23 14:15
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.7

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		5.3	1.6	mg/Kg	☼	10/06/23 06:29	10/20/23 10:07	1
Silver	ND	^3+	1.1	0.42	mg/Kg	☼	10/06/23 06:29	10/11/23 05:35	1
Zinc	**67**		4.2	1.7	mg/Kg	☼	10/06/23 06:29	10/20/23 18:06	2

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	10/05/23 09:00	10/05/23 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.3**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**93.7**		0.1	0.1	%			10/05/23 15:04	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	10/05/23 10:15	10/06/23 09:10	1
Cyanide, Total (SW846 EPA 9014)	ND		0.21	0.16	mg/Kg	☼	10/13/23 15:30	10/13/23 17:47	1

Client Sample ID: SSHS-IRM5A2-A18A
Lab Sample ID: 180-163311-7

Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.024	0.0038	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Benzene	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
2-Butanone (MEK)	ND	*1	0.024	0.0025	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Carbon tetrachloride	ND		0.0049	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Chlorobenzene	ND		0.0049	0.0013	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Chloroform	ND		0.0049	0.0033	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
cis-1,2-Dichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,2-Dichlorobenzene	ND		0.0049	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,3-Dichlorobenzene	ND		0.0049	0.0030	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,4-Dichlorobenzene	ND		0.0049	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,1-Dichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,2-Dichloroethane	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,1-Dichloroethene	ND		0.0049	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,4-Dioxane	ND		0.98	0.074	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Ethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Methylene Chloride	ND		0.0049	0.0044	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Methyl tert-butyl ether	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
n-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
N-Propylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
sec-Butylbenzene	ND		0.0049	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
tert-Butylbenzene	ND		0.0049	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Tetrachloroethene	ND		0.0049	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Toluene	ND		0.0049	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
trans-1,2-Dichloroethene	ND		0.0049	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,1,1-Trichloroethane	ND		0.0049	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Trichloroethene	ND		0.0049	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
1,3,5-Trimethylbenzene	ND		0.0049	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1
Vinyl chloride	ND		0.0049	0.0035	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1

Client Sample ID: SSHS-IRM5A2-A18A
Lab Sample ID: 180-163311-7

Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0098	0.0070	mg/Kg	☼	10/05/23 07:17	10/05/23 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*10/05/23 07:17*	*10/05/23 14:18*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*10/05/23 07:17*	*10/05/23 14:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*10/05/23 07:17*	*10/05/23 14:18*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*10/05/23 07:17*	*10/05/23 14:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.1**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**95.9**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A18B
Lab Sample ID: 180-163311-8

Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.026	0.0040	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Benzene	ND		0.0051	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
2-Butanone (MEK)	ND	*1	0.026	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Carbon tetrachloride	ND		0.0051	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Chlorobenzene	ND		0.0051	0.0013	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Chloroform	ND		0.0051	0.0034	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
cis-1,2-Dichloroethene	ND		0.0051	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,2-Dichlorobenzene	ND		0.0051	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,3-Dichlorobenzene	ND		0.0051	0.0032	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,4-Dichlorobenzene	ND		0.0051	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,1-Dichloroethane	ND		0.0051	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,2-Dichloroethane	ND		0.0051	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,1-Dichloroethene	ND		0.0051	0.0023	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,4-Dioxane	ND		1.0	0.078	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Ethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Methylene Chloride	ND		0.0051	0.0046	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Methyl tert-butyl ether	ND		0.0051	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
n-Butylbenzene	ND		0.0051	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
N-Propylbenzene	ND		0.0051	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
sec-Butylbenzene	ND		0.0051	0.0025	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
tert-Butylbenzene	ND		0.0051	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Tetrachloroethene	ND		0.0051	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Toluene	ND		0.0051	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
trans-1,2-Dichloroethene	ND		0.0051	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,1,1-Trichloroethane	ND		0.0051	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Trichloroethene	ND		0.0051	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,2,4-Trimethylbenzene	ND		0.0051	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
1,3,5-Trimethylbenzene	ND		0.0051	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Vinyl chloride	ND		0.0051	0.0037	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1
Xylenes, Total	ND		0.010	0.0074	mg/Kg	☼	10/05/23 07:17	10/05/23 14:40	1

Client Sample ID: SSHS-IRM5A2-A18B
Lab Sample ID: 180-163311-8

Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 92.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*10/05/23 07:17*	*10/05/23 14:40*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*10/05/23 07:17*	*10/05/23 14:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*10/05/23 07:17*	*10/05/23 14:40*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*10/05/23 07:17*	*10/05/23 14:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.1**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**92.9**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A18C
Lab Sample ID: 180-163311-9

Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.0

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Acenaphthylene	ND		0.0071	0.0015	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Dibenz(a,h)anthracene	ND		0.0071	0.0045	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Hexachloroethane	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Phenol	ND		0.035	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*54*		*35 - 105*	*10/11/23 07:23*	*10/12/23 13:27*	*1*
2-Fluorophenol (Surr)	*52*		*32 - 105*	*10/11/23 07:23*	*10/12/23 13:27*	*1*
Nitrobenzene-d5 (Surr)	*50*		*34 - 109*	*10/11/23 07:23*	*10/12/23 13:27*	*1*

Client Sample ID: SSHS-IRM5A2-A18C
Lab Sample ID: 180-163311-9

Date Collected: 10/03/23 14:30
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 94.0

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*55*		*34 - 105*	*10/11/23 07:23*	*10/12/23 13:27*	*1*
Terphenyl-d14 (Surr)	*54*		*20 - 117*	*10/11/23 07:23*	*10/12/23 13:27*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*20 - 119*	*10/11/23 07:23*	*10/12/23 13:27*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0056	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1221	ND		0.017	0.0061	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1232	ND		0.017	0.0042	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1242	ND		0.017	0.0025	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1248	ND		0.017	0.0041	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1254	ND		0.017	0.0052	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1260	ND		0.017	0.0049	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1262	ND		0.017	0.0061	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1
PCB-1268	ND		0.017	0.0023	mg/Kg	☼	10/05/23 13:40	10/06/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*10/05/23 13:40*	*10/06/23 17:27*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:40*	*10/06/23 17:27*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*10/05/23 13:40*	*10/06/23 17:27*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*10/05/23 13:40*	*10/06/23 17:27*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		5.7	2.7	mg/Kg	☼	10/06/23 06:29	10/23/23 09:42	2
Barium	**130**		0.48	0.14	mg/Kg	☼	10/06/23 06:29	10/11/23 06:06	1
Beryllium	**0.50**		0.48	0.095	mg/Kg	☼	10/06/23 06:29	10/11/23 06:06	1
Cadmium	ND		0.48	0.095	mg/Kg	☼	10/06/23 06:29	10/11/23 06:06	1
Chromium	**13**		2.9	1.1	mg/Kg	☼	10/06/23 06:29	10/20/23 18:30	2
Copper	**11**		3.8	1.5	mg/Kg	☼	10/06/23 06:29	10/20/23 18:30	2
Lead	**12**		2.9	1.1	mg/Kg	☼	10/06/23 06:29	10/20/23 18:30	2
Manganese	**690**	**B**	1.9	0.76	mg/Kg	☼	10/06/23 06:29	10/20/23 18:30	2
Nickel	**22**		1.9	0.76	mg/Kg	☼	10/06/23 06:29	10/20/23 18:30	2
Selenium	ND		4.8	1.4	mg/Kg	☼	10/06/23 06:29	10/20/23 10:19	1
Silver	ND	^3+	0.95	0.38	mg/Kg	☼	10/06/23 06:29	10/11/23 06:06	1
Zinc	**54**		3.8	1.5	mg/Kg	☼	10/06/23 06:29	10/20/23 18:30	2

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	10/05/23 09:00	10/05/23 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.0**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**94.0**		0.1	0.1	%			10/05/23 15:04	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	10/05/23 10:15	10/06/23 09:11	1
Cyanide, Total (SW846 EPA 9014)	ND		0.21	0.16	mg/Kg	☼	10/13/23 15:30	10/13/23 17:50	1

Client Sample ID: SSHS-IRM5A2-A19A
Lab Sample ID: 180-163311-10

Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.026	0.0041	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Benzene	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
2-Butanone (MEK)	ND	*1	0.026	0.0027	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Carbon tetrachloride	ND		0.0052	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Chlorobenzene	ND		0.0052	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Chloroform	ND		0.0052	0.0035	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
cis-1,2-Dichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,2-Dichlorobenzene	ND		0.0052	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,3-Dichlorobenzene	ND		0.0052	0.0032	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,4-Dichlorobenzene	ND		0.0052	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,1-Dichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,2-Dichloroethane	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,1-Dichloroethene	ND		0.0052	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,4-Dioxane	ND		1.0	0.079	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Ethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Methylene Chloride	ND		0.0052	0.0047	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Methyl tert-butyl ether	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
n-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
N-Propylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
sec-Butylbenzene	ND		0.0052	0.0026	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
tert-Butylbenzene	ND		0.0052	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Tetrachloroethene	ND		0.0052	0.0021	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Toluene	ND		0.0052	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
trans-1,2-Dichloroethene	ND		0.0052	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,1,1-Trichloroethane	ND		0.0052	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Trichloroethene	ND		0.0052	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,2,4-Trimethylbenzene	ND		0.0052	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
1,3,5-Trimethylbenzene	ND		0.0052	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Vinyl chloride	ND		0.0052	0.0038	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1
Xylenes, Total	ND		0.010	0.0075	mg/Kg	☼	10/05/23 07:17	10/05/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*10/05/23 07:17*	*10/05/23 15:16*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*10/05/23 07:17*	*10/05/23 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*10/05/23 07:17*	*10/05/23 15:16*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*10/05/23 07:17*	*10/05/23 15:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A19B
Lab Sample ID: 180-163311-11

Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	0.024	0.0037	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Benzene	ND		0.0048	0.0013	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1

Client Sample ID: SSHS-IRM5A2-A19B
Lab Sample ID: 180-163311-11
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*1	0.024	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Carbon tetrachloride	ND		0.0048	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Chlorobenzene	ND		0.0048	0.0012	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Chloroform	ND		0.0048	0.0032	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
cis-1,2-Dichloroethene	ND		0.0048	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,2-Dichlorobenzene	ND		0.0048	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,3-Dichlorobenzene	ND		0.0048	0.0029	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,4-Dichlorobenzene	ND		0.0048	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,1-Dichloroethane	ND		0.0048	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,2-Dichloroethane	ND		0.0048	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,1-Dichloroethene	ND		0.0048	0.0022	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,4-Dioxane	ND		0.96	0.073	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Ethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Methylene Chloride	ND		0.0048	0.0043	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Methyl tert-butyl ether	ND		0.0048	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
n-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
N-Propylbenzene	ND		0.0048	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
sec-Butylbenzene	ND		0.0048	0.0024	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
tert-Butylbenzene	ND		0.0048	0.0020	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Tetrachloroethene	ND		0.0048	0.0019	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Toluene	ND		0.0048	0.0014	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
trans-1,2-Dichloroethene	ND		0.0048	0.0017	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,1,1-Trichloroethane	ND		0.0048	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Trichloroethene	ND		0.0048	0.0015	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,2,4-Trimethylbenzene	ND		0.0048	0.0016	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
1,3,5-Trimethylbenzene	ND		0.0048	0.0018	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Vinyl chloride	ND		0.0048	0.0034	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1
Xylenes, Total	ND		0.0096	0.0069	mg/Kg	☼	10/05/23 07:17	10/05/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*60 - 124*	*10/05/23 07:17*	*10/05/23 15:39*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*	*10/05/23 07:17*	*10/05/23 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*73 - 135*	*10/05/23 07:17*	*10/05/23 15:39*	*1*
Toluene-d8 (Surr)	*75*		*67 - 134*	*10/05/23 07:17*	*10/05/23 15:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.3**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**95.7**		0.1	0.1	%			10/05/23 15:04	1

Client Sample ID: SSHS-IRM5A2-A19C
Lab Sample ID: 180-163311-12
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.1

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0071	0.0020	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Acenaphthylene	ND		0.0071	0.0016	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Anthracene	ND		0.0071	0.0018	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Benzo[a]anthracene	ND		0.0071	0.0032	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-163311-1
Project/Site: Former Sperry Remington-Reuse

Client Sample ID: SSHS-IRM5A2-A19C
Lab Sample ID: 180-163311-12
Date Collected: 10/03/23 14:45
Matrix: Solid
Date Received: 10/04/23 09:45
Percent Solids: 93.1

Method: SW846 EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.0071	0.0031	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Benzo[b]fluoranthene	ND		0.0071	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Benzo[g,h,i]perylene	ND		0.0071	0.0015	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Benzo[k]fluoranthene	ND		0.0071	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Chrysene	ND		0.0071	0.0039	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Dibenz(a,h)anthracene	ND		0.0071	0.0046	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Dibenzofuran	ND		0.035	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
2,4-Dinitrotoluene	ND		0.035	0.021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
1,4-Dioxane	ND		0.071	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Fluoranthene	ND		0.0071	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Fluorene	ND		0.0071	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Hexachlorobenzene	ND		0.0071	0.0025	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Hexachlorobutadiene	ND		0.0071	0.0021	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Hexachloroethane	ND		0.035	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Indeno[1,2,3-cd]pyrene	ND		0.0071	0.0035	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
2-Methylphenol	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Methylphenol, 3 & 4	ND		0.035	0.010	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Naphthalene	ND		0.0071	0.0014	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Nitrobenzene	ND		0.071	0.013	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Pentachlorophenol	ND		0.18	0.057	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Phenanthrene	ND		0.0071	0.0019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Phenol	ND		0.035	0.011	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Pyrene	ND		0.0071	0.0017	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
Pyridine	ND		0.071	0.019	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
2,4,5-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1
2,4,6-Trichlorophenol	ND		0.035	0.012	mg/Kg	☼	10/11/23 07:23	10/12/23 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*35 - 105*	*10/11/23 07:23*	*10/12/23 13:49*	*1*
2-Fluorophenol (Surr)	*53*		*32 - 105*	*10/11/23 07:23*	*10/12/23 13:49*	*1*
Nitrobenzene-d5 (Surr)	*54*		*34 - 109*	*10/11/23 07:23*	*10/12/23 13:49*	*1*
Phenol-d5 (Surr)	*57*		*34 - 105*	*10/11/23 07:23*	*10/12/23 13:49*	*1*
Terphenyl-d14 (Surr)	*62*		*20 - 117*	*10/11/23 07:23*	*10/12/23 13:49*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*20 - 119*	*10/11/23 07:23*	*10/12/23 13:49*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.018	0.0058	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1221	ND		0.018	0.0063	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1232	ND		0.018	0.0043	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1242	ND		0.018	0.0026	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1248	ND		0.018	0.0043	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1254	ND		0.018	0.0053	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1260	ND		0.018	0.0051	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1262	ND		0.018	0.0063	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1
PCB-1268	ND		0.018	0.0024	mg/Kg	☼	10/05/23 13:40	10/06/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*10/05/23 13:40*	*10/06/23 17:45*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*10/05/23 13:40*	*10/06/23 17:45*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Reuse

Job ID: 180-163311-1

Client Sample ID: SSHS-IRM5A2-A19C
Date Collected: 10/03/23 14:45
Date Received: 10/04/23 09:45

Lab Sample ID: 180-163311-12
Matrix: Solid
Percent Solids: 93.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*10/05/23 13:40*	*10/06/23 17:45*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*10/05/23 13:40*	*10/06/23 17:45*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		2.9	1.4	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Barium	**94**		0.48	0.15	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Beryllium	**0.41**	**J**	0.48	0.097	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Cadmium	ND		0.48	0.097	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Chromium	**9.8**		1.5	0.58	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Copper	**9.0**		1.9	0.74	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Lead	**4.9**		1.5	0.58	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Manganese	**740**	**B**	0.97	0.39	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Nickel	**17**		0.97	0.39	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Selenium	ND		4.8	1.5	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Silver	ND	^3+	0.97	0.39	mg/Kg	☼	10/06/23 06:29	10/11/23 06:09	1
Zinc	**4.6**		1.9	0.77	mg/Kg	☼	10/06/23 06:29	10/11/23 17:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	10/05/23 09:00	10/05/23 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.9**		0.1	0.1	%			10/05/23 15:04	1
Percent Solids (SM22 2540G)	**93.1**		0.1	0.1	%			10/05/23 15:04	1
Hexavalent chromium (SW846 EPA 7196A)	ND		0.43	0.23	mg/Kg	☼	10/05/23 10:15	10/06/23 09:12	1
Cyanide, Total (SW846 EPA 9014)	ND		0.19	0.14	mg/Kg	☼	10/13/23 15:30	10/13/23 17:50	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-448403/8
Matrix: Solid
Analysis Batch: 448403

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.025	0.0039	mg/Kg			10/05/23 12:04	1
Benzene	ND		0.0050	0.0014	mg/Kg			10/05/23 12:04	1
2-Butanone (MEK)	ND		0.025	0.0025	mg/Kg			10/05/23 12:04	1
Carbon tetrachloride	ND		0.0050	0.0020	mg/Kg			10/05/23 12:04	1
Chlorobenzene	ND		0.0050	0.0013	mg/Kg			10/05/23 12:04	1
Chloroform	ND		0.0050	0.0034	mg/Kg			10/05/23 12:04	1
cis-1,2-Dichloroethene	ND		0.0050	0.0015	mg/Kg			10/05/23 12:04	1
1,2-Dichlorobenzene	ND		0.0050	0.0017	mg/Kg			10/05/23 12:04	1
1,3-Dichlorobenzene	ND		0.0050	0.0031	mg/Kg			10/05/23 12:04	1
1,4-Dichlorobenzene	ND		0.0050	0.0015	mg/Kg			10/05/23 12:04	1
1,1-Dichloroethane	ND		0.0050	0.0016	mg/Kg			10/05/23 12:04	1
1,2-Dichloroethane	ND		0.0050	0.0014	mg/Kg			10/05/23 12:04	1
1,1-Dichloroethene	ND		0.0050	0.0023	mg/Kg			10/05/23 12:04	1
1,4-Dioxane	ND		1.0	0.076	mg/Kg			10/05/23 12:04	1
Ethylbenzene	ND		0.0050	0.0019	mg/Kg			10/05/23 12:04	1
Methylene Chloride	ND		0.0050	0.0045	mg/Kg			10/05/23 12:04	1
Methyl tert-butyl ether	ND		0.0050	0.0015	mg/Kg			10/05/23 12:04	1
n-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/05/23 12:04	1
N-Propylbenzene	ND		0.0050	0.0018	mg/Kg			10/05/23 12:04	1
sec-Butylbenzene	ND		0.0050	0.0025	mg/Kg			10/05/23 12:04	1
tert-Butylbenzene	ND		0.0050	0.0021	mg/Kg			10/05/23 12:04	1
Tetrachloroethene	ND		0.0050	0.0020	mg/Kg			10/05/23 12:04	1
Toluene	ND		0.0050	0.0014	mg/Kg			10/05/23 12:04	1
trans-1,2-Dichloroethene	ND		0.0050	0.0018	mg/Kg			10/05/23 12:04	1
1,1,1-Trichloroethane	ND		0.0050	0.0017	mg/Kg			10/05/23 12:04	1
Trichloroethene	ND		0.0050	0.0016	mg/Kg			10/05/23 12:04	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0017	mg/Kg			10/05/23 12:04	1
1,3,5-Trimethylbenzene	ND		0.0050	0.0019	mg/Kg			10/05/23 12:04	1
Vinyl chloride	ND		0.0050	0.0036	mg/Kg			10/05/23 12:04	1
Xylenes, Total	ND		0.010	0.0072	mg/Kg			10/05/23 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*		*10/05/23 12:04*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*		*10/05/23 12:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*10/05/23 12:04*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*		*10/05/23 12:04*	*1*

Lab Sample ID: LCS 180-448403/4
Matrix: Solid
Analysis Batch: 448403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0400	0.0606		mg/Kg		151	23 - 170
Benzene	0.0400	0.0364		mg/Kg		91	77 - 120
2-Butanone (MEK)	0.0400	0.0550		mg/Kg		137	39 - 157
Carbon tetrachloride	0.0400	0.0359		mg/Kg		90	73 - 130
Chlorobenzene	0.0400	0.0362		mg/Kg		90	79 - 122
Chloroform	0.0400	0.0402		mg/Kg		100	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-448403/4
Matrix: Solid
Analysis Batch: 448403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0400	0.0375		mg/Kg		94	77 - 118
1,2-Dichlorobenzene	0.0400	0.0370		mg/Kg		92	76 - 120
1,3-Dichlorobenzene	0.0400	0.0366		mg/Kg		91	77 - 121
1,4-Dichlorobenzene	0.0400	0.0360		mg/Kg		90	79 - 120
1,1-Dichloroethane	0.0400	0.0376		mg/Kg		94	73 - 124
1,2-Dichloroethane	0.0400	0.0398		mg/Kg		100	64 - 140
1,1-Dichloroethene	0.0400	0.0371		mg/Kg		93	55 - 136
1,4-Dioxane	0.800	0.727	J	mg/Kg		91	18 - 166
Ethylbenzene	0.0400	0.0349		mg/Kg		87	79 - 119
Methylene Chloride	0.0400	0.0366		mg/Kg		92	67 - 131
Methyl tert-butyl ether	0.0400	0.0400		mg/Kg		100	58 - 132
n-Butylbenzene	0.0400	0.0340		mg/Kg		85	64 - 136
N-Propylbenzene	0.0400	0.0336		mg/Kg		84	71 - 127
sec-Butylbenzene	0.0400	0.0330		mg/Kg		83	65 - 130
tert-Butylbenzene	0.0400	0.0338		mg/Kg		84	69 - 133
Tetrachloroethene	0.0400	0.0370		mg/Kg		92	71 - 121
Toluene	0.0400	0.0349		mg/Kg		87	76 - 120
trans-1,2-Dichloroethene	0.0400	0.0370		mg/Kg		92	75 - 122
1,1,1-Trichloroethane	0.0400	0.0364		mg/Kg		91	72 - 134
Trichloroethene	0.0400	0.0370		mg/Kg		92	69 - 118
1,2,4-Trimethylbenzene	0.0400	0.0335		mg/Kg		84	74 - 127
1,3,5-Trimethylbenzene	0.0400	0.0340		mg/Kg		85	69 - 131
Vinyl chloride	0.0400	0.0364		mg/Kg		91	64 - 134
Xylenes, Total	0.0800	0.0707		mg/Kg		88	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

Lab Sample ID: LCSD 180-448403/5
Matrix: Solid
Analysis Batch: 448403

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0400	0.0275	*1	mg/Kg		69	23 - 170	75	35
Benzene	0.0400	0.0352		mg/Kg		88	77 - 120	3	20
2-Butanone (MEK)	0.0400	0.0268	*1	mg/Kg		67	39 - 157	69	33
Carbon tetrachloride	0.0400	0.0354		mg/Kg		89	73 - 130	1	21
Chlorobenzene	0.0400	0.0344		mg/Kg		86	79 - 122	5	20
Chloroform	0.0400	0.0379		mg/Kg		95	73 - 126	6	20
cis-1,2-Dichloroethene	0.0400	0.0359		mg/Kg		90	77 - 118	4	20
1,2-Dichlorobenzene	0.0400	0.0351		mg/Kg		88	76 - 120	5	20
1,3-Dichlorobenzene	0.0400	0.0353		mg/Kg		88	77 - 121	4	20
1,4-Dichlorobenzene	0.0400	0.0347		mg/Kg		87	79 - 120	4	20
1,1-Dichloroethane	0.0400	0.0372		mg/Kg		93	73 - 124	1	20
1,2-Dichloroethane	0.0400	0.0364		mg/Kg		91	64 - 140	9	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-448403/5
Matrix: Solid
Analysis Batch: 448403

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0400	0.0323		mg/Kg		81	55 - 136	14	21
1,4-Dioxane			0.800	0.734	J	mg/Kg		92	18 - 166	1	40
Ethylbenzene			0.0400	0.0345		mg/Kg		86	79 - 119	1	20
Methylene Chloride			0.0400	0.0343		mg/Kg		86	67 - 131	7	32
Methyl tert-butyl ether			0.0400	0.0358		mg/Kg		90	58 - 132	11	24
n-Butylbenzene			0.0400	0.0335		mg/Kg		84	64 - 136	1	21
N-Propylbenzene			0.0400	0.0334		mg/Kg		84	71 - 127	1	20
sec-Butylbenzene			0.0400	0.0325		mg/Kg		81	65 - 130	1	20
tert-Butylbenzene			0.0400	0.0326		mg/Kg		81	69 - 133	3	23
Tetrachloroethene			0.0400	0.0369		mg/Kg		92	71 - 121	0	21
Toluene			0.0400	0.0338		mg/Kg		84	76 - 120	3	20
trans-1,2-Dichloroethene			0.0400	0.0355		mg/Kg		89	75 - 122	4	20
1,1,1-Trichloroethane			0.0400	0.0348		mg/Kg		87	72 - 134	4	20
Trichloroethene			0.0400	0.0358		mg/Kg		89	69 - 118	3	20
1,2,4-Trimethylbenzene			0.0400	0.0328		mg/Kg		82	74 - 127	2	20
1,3,5-Trimethylbenzene			0.0400	0.0336		mg/Kg		84	69 - 131	1	20
Vinyl chloride			0.0400	0.0366		mg/Kg		91	64 - 134	0	23
Xylenes, Total			0.0800	0.0670		mg/Kg		84	78 - 118	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-448879/1-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0067	0.0019	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Acenaphthylene	ND		0.0067	0.0015	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Anthracene	ND		0.0067	0.0017	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Benzo[a]anthracene	ND		0.0067	0.0030	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Benzo[a]pyrene	ND		0.0067	0.0029	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Benzo[b]fluoranthene	ND		0.0067	0.0016	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Benzo[g,h,i]perylene	ND		0.0067	0.0014	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Benzo[k]fluoranthene	ND		0.0067	0.0020	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Chrysene	ND		0.0067	0.0037	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Dibenz(a,h)anthracene	ND		0.0067	0.0043	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Dibenzofuran	ND		0.033	0.012	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
2,4-Dinitrotoluene	ND		0.033	0.020	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
1,4-Dioxane	ND		0.067	0.010	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Fluoranthene	ND		0.0067	0.0018	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Fluorene	ND		0.0067	0.0013	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Hexachlorobenzene	ND		0.0067	0.0024	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Hexachlorobutadiene	ND		0.0067	0.0020	mg/Kg		10/11/23 07:23	10/12/23 04:37	1

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-448879/1-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.033	0.012	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Indeno[1,2,3-cd]pyrene	ND		0.0067	0.0033	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
2-Methylphenol	ND		0.033	0.0096	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Methylphenol, 3 & 4	ND		0.033	0.0098	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Naphthalene	ND		0.0067	0.0013	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Nitrobenzene	ND		0.067	0.012	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Pentachlorophenol	ND		0.17	0.054	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Phenanthrene	ND		0.0067	0.0018	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Phenol	ND		0.033	0.010	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Pyrene	ND		0.0067	0.0016	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
Pyridine	ND		0.067	0.018	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
2,4,5-Trichlorophenol	ND		0.033	0.012	mg/Kg		10/11/23 07:23	10/12/23 04:37	1
2,4,6-Trichlorophenol	ND		0.033	0.011	mg/Kg		10/11/23 07:23	10/12/23 04:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*10/11/23 07:23*	*10/12/23 04:37*	*1*
2-Fluorophenol (Surr)	*63*		*32 - 105*	*10/11/23 07:23*	*10/12/23 04:37*	*1*
Nitrobenzene-d5 (Surr)	*50*		*34 - 109*	*10/11/23 07:23*	*10/12/23 04:37*	*1*
Phenol-d5 (Surr)	*58*		*34 - 105*	*10/11/23 07:23*	*10/12/23 04:37*	*1*
Terphenyl-d14 (Surr)	*66*		*20 - 117*	*10/11/23 07:23*	*10/12/23 04:37*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 119*	*10/11/23 07:23*	*10/12/23 04:37*	*1*

Lab Sample ID: LCS 180-448879/2-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.667	0.503		mg/Kg		75	41 - 100
Acenaphthylene	0.667	0.520		mg/Kg		78	45 - 100
Anthracene	0.667	0.477		mg/Kg		72	47 - 100
Benzo[a]anthracene	0.667	0.477		mg/Kg		72	47 - 100
Benzo[a]pyrene	0.667	0.520		mg/Kg		78	45 - 101
Benzo[b]fluoranthene	0.667	0.489		mg/Kg		73	44 - 100
Benzo[g,h,i]perylene	0.667	0.474		mg/Kg		71	45 - 103
Benzo[k]fluoranthene	0.667	0.481		mg/Kg		72	43 - 100
Chrysene	0.667	0.504		mg/Kg		76	44 - 100
Dibenz(a,h)anthracene	0.667	0.484		mg/Kg		73	46 - 107
Dibenzofuran	0.667	0.499		mg/Kg		75	47 - 100
2,4-Dinitrotoluene	0.667	0.554		mg/Kg		83	48 - 106
1,4-Dioxane	0.667	0.513		mg/Kg		77	10 - 133
Fluoranthene	0.667	0.476		mg/Kg		71	49 - 102
Fluorene	0.667	0.523		mg/Kg		78	46 - 100
Hexachlorobenzene	0.667	0.490		mg/Kg		74	45 - 101
Hexachlorobutadiene	0.667	0.530		mg/Kg		79	38 - 110
Hexachloroethane	0.667	0.482		mg/Kg		72	40 - 100
Indeno[1,2,3-cd]pyrene	0.667	0.487		mg/Kg		73	48 - 104
2-Methylphenol	0.667	0.475		mg/Kg		71	43 - 101
Methylphenol, 3 & 4	0.667	0.462		mg/Kg		69	43 - 104

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-448879/2-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448879

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.667	0.498		mg/Kg		75	43 - 100		
Nitrobenzene			0.667	0.493		mg/Kg		74	43 - 107		
Pentachlorophenol			1.33	1.19		mg/Kg		89	34 - 112		
Phenanthrene			0.667	0.496		mg/Kg		74	46 - 100		
Phenol			0.667	0.469		mg/Kg		70	42 - 103		
Pyrene			0.667	0.478		mg/Kg		72	44 - 102		
Pyridine			1.33	1.12		mg/Kg		84	25 - 109		
2,4,5-Trichlorophenol			0.667	0.533		mg/Kg		80	47 - 108		
2,4,6-Trichlorophenol			0.667	0.549		mg/Kg		82	47 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*35 - 105*
2-Fluorophenol (Surr)	*75*		*32 - 105*
Nitrobenzene-d5 (Surr)	*69*		*34 - 109*
Phenol-d5 (Surr)	*70*		*34 - 105*
Terphenyl-d14 (Surr)	*69*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 119*

Lab Sample ID: LCSD 180-448879/3-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 448879

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			0.667	0.507		mg/Kg		76	41 - 100	1	22
Acenaphthylene			0.667	0.513		mg/Kg		77	45 - 100	1	23
Anthracene			0.667	0.463		mg/Kg		69	47 - 100	3	26
Benzo[a]anthracene			0.667	0.467		mg/Kg		70	47 - 100	2	24
Benzo[a]pyrene			0.667	0.516		mg/Kg		77	45 - 101	1	21
Benzo[b]fluoranthene			0.667	0.485		mg/Kg		73	44 - 100	1	26
Benzo[g,h,i]perylene			0.667	0.468		mg/Kg		70	45 - 103	1	22
Benzo[k]fluoranthene			0.667	0.494		mg/Kg		74	43 - 100	3	18
Chrysene			0.667	0.486		mg/Kg		73	44 - 100	4	26
Dibenz(a,h)anthracene			0.667	0.486		mg/Kg		73	46 - 107	0	24
Dibenzofuran			0.667	0.485		mg/Kg		73	47 - 100	3	19
2,4-Dinitrotoluene			0.667	0.559		mg/Kg		84	48 - 106	1	20
1,4-Dioxane			0.667	0.482		mg/Kg		72	10 - 133	6	40
Fluoranthene			0.667	0.462		mg/Kg		69	49 - 102	3	26
Fluorene			0.667	0.502		mg/Kg		75	46 - 100	4	22
Hexachlorobenzene			0.667	0.489		mg/Kg		73	45 - 101	0	27
Hexachlorobutadiene			0.667	0.514		mg/Kg		77	38 - 110	3	27
Hexachloroethane			0.667	0.466		mg/Kg		70	40 - 100	3	27
Indeno[1,2,3-cd]pyrene			0.667	0.488		mg/Kg		73	48 - 104	0	22
2-Methylphenol			0.667	0.461		mg/Kg		69	43 - 101	3	27
Methylphenol, 3 & 4			0.667	0.455		mg/Kg		68	43 - 104	2	24
Naphthalene			0.667	0.477		mg/Kg		72	43 - 100	4	28
Nitrobenzene			0.667	0.482		mg/Kg		72	43 - 107	2	28
Pentachlorophenol			1.33	1.17		mg/Kg		88	34 - 112	2	28
Phenanthrene			0.667	0.476		mg/Kg		71	46 - 100	4	27

Method: EPA 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 180-448879/3-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 448879

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol			0.667	0.458		mg/Kg		69	42 - 103	3	30
Pyrene			0.667	0.465		mg/Kg		70	44 - 102	3	27
Pyridine			1.33	1.07		mg/Kg		81	25 - 109	5	31
2,4,5-Trichlorophenol			0.667	0.531		mg/Kg		80	47 - 108	0	19
2,4,6-Trichlorophenol			0.667	0.542		mg/Kg		81	47 - 108	1	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*35 - 105*
2-Fluorophenol (Surr)	*73*		*32 - 105*
Nitrobenzene-d5 (Surr)	*68*		*34 - 109*
Phenol-d5 (Surr)	*67*		*34 - 105*
Terphenyl-d14 (Surr)	*67*		*20 - 117*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 119*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-448439/1-A
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0054	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1221	ND		0.017	0.0059	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1232	ND		0.017	0.0041	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1242	ND		0.017	0.0024	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1248	ND		0.017	0.0040	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1254	ND		0.017	0.0050	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1260	ND		0.017	0.0047	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1262	ND		0.017	0.0059	mg/Kg		10/05/23 13:40	10/06/23 06:49	1
PCB-1268	ND		0.017	0.0022	mg/Kg		10/05/23 13:40	10/06/23 06:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*10/05/23 13:40*	*10/06/23 06:49*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:40*	*10/06/23 06:49*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*10/05/23 13:40*	*10/06/23 06:49*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*10/05/23 13:40*	*10/06/23 06:49*	*1*

Lab Sample ID: LCS 180-448439/2-A
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448439

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016			1.33	0.943		mg/Kg		71	43 - 136
PCB-1260			1.33	0.952		mg/Kg		71	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-448439/2-A
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448439

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-428175/1-A
Matrix: Solid
Analysis Batch: 430311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0	1.4	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Barium	ND		0.50	0.15	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Beryllium	ND		0.50	0.10	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Cadmium	ND		0.50	0.10	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Chromium	ND		1.5	0.60	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Copper	ND		2.0	0.77	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Lead	ND		1.5	0.60	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Manganese	0.874	J	1.0	0.40	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Nickel	ND		1.0	0.40	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Selenium	ND		5.0	1.5	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Silver	ND	^3+	1.0	0.40	mg/Kg		10/06/23 06:29	10/11/23 17:41	1
Zinc	ND		2.0	0.80	mg/Kg		10/06/23 06:29	10/11/23 17:41	1

Lab Sample ID: LCS 410-428175/2-A
Matrix: Solid
Analysis Batch: 430311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 428175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	54.4		mg/Kg		109	80 - 120
Barium	50.0	51.0		mg/Kg		102	80 - 120
Beryllium	5.00	5.19		mg/Kg		104	80 - 120
Cadmium	5.00	5.27		mg/Kg		105	80 - 120
Chromium	50.0	53.1		mg/Kg		106	80 - 120
Copper	50.0	51.7		mg/Kg		103	80 - 120
Lead	5.00	4.89		mg/Kg		98	80 - 120
Manganese	50.0	51.4		mg/Kg		103	80 - 120
Nickel	50.0	51.0		mg/Kg		102	80 - 120
Selenium	10.0	9.38		mg/Kg		94	80 - 120
Silver	5.00	5.65	^3+	mg/Kg		113	80 - 120
Zinc	50.0	51.8		mg/Kg		104	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-448273/1-A
Matrix: Solid
Analysis Batch: 448433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		10/05/23 09:00	10/05/23 12:05	1

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-448273/2-A
Matrix: Solid
Analysis Batch: 448433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.395		mg/Kg		95	80 - 120

Method: EPA 7196A - Chromium, Hexavalent

Lab Sample ID: MB 180-448307/1-A
Matrix: Solid
Analysis Batch: 448533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.40	0.21	mg/Kg		10/04/23 10:54	10/06/23 08:52	1

Lab Sample ID: LCSI 180-448307/3-A
Matrix: Solid
Analysis Batch: 448533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448307

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	708	681		mg/Kg		96	80 - 120

Lab Sample ID: LCSS 180-448307/2-A
Matrix: Solid
Analysis Batch: 448533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448307

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec Limits
Hexavalent chromium	20.0	21.2		mg/Kg		106	80 - 120

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-449185/4-A
Matrix: Solid
Analysis Batch: 449333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 449185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		10/13/23 15:30	10/13/23 17:46	1

Lab Sample ID: HLCS 180-449185/2-A
Matrix: Solid
Analysis Batch: 449333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449185

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.247		mg/Kg		99	90 - 110

Lab Sample ID: LCS 180-449185/3-A
Matrix: Solid
Analysis Batch: 449333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	124		mg/Kg		103	17 - 163

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LLCS 180-449185/1-A
Matrix: Solid
Analysis Batch: 449333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449185

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.0500	0.0520		mg/Kg		104	90 - 110		

Lab Sample ID: 180-163311-3 MS
Matrix: Solid
Analysis Batch: 449333

Client Sample ID: SSHS-IRM5A2-A16C
Prep Type: Total/NA
Prep Batch: 449185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND		3.09	2.68		mg/Kg	☼	87	75 - 125		

Lab Sample ID: 180-163311-3 MSD
Matrix: Solid
Analysis Batch: 449333

Client Sample ID: SSHS-IRM5A2-A16C
Prep Type: Total/NA
Prep Batch: 449185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND		2.92	2.44		mg/Kg	☼	83	75 - 125	9	20

GC/MS VOA

Analysis Batch: 448403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-1	SSHS-IRM5A2-A16A	Total/NA	Solid	EPA 8260C	448423
180-163311-2	SSHS-IRM5A2-A16B	Total/NA	Solid	EPA 8260C	448423
180-163311-4	SSHS-IRM5A2-A17A	Total/NA	Solid	EPA 8260C	448423
180-163311-5	SSHS-IRM5A2-A17B	Total/NA	Solid	EPA 8260C	448423
180-163311-7	SSHS-IRM5A2-A18A	Total/NA	Solid	EPA 8260C	448423
180-163311-8	SSHS-IRM5A2-A18B	Total/NA	Solid	EPA 8260C	448423
180-163311-10	SSHS-IRM5A2-A19A	Total/NA	Solid	EPA 8260C	448423
180-163311-11	SSHS-IRM5A2-A19B	Total/NA	Solid	EPA 8260C	448423
MB 180-448403/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-448403/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-448403/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 448423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-1	SSHS-IRM5A2-A16A	Total/NA	Solid	5035	
180-163311-2	SSHS-IRM5A2-A16B	Total/NA	Solid	5035	
180-163311-4	SSHS-IRM5A2-A17A	Total/NA	Solid	5035	
180-163311-5	SSHS-IRM5A2-A17B	Total/NA	Solid	5035	
180-163311-7	SSHS-IRM5A2-A18A	Total/NA	Solid	5035	
180-163311-8	SSHS-IRM5A2-A18B	Total/NA	Solid	5035	
180-163311-10	SSHS-IRM5A2-A19A	Total/NA	Solid	5035	
180-163311-11	SSHS-IRM5A2-A19B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 448879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	3541	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	3541	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	3541	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	3541	
MB 180-448879/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-448879/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-448879/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 448994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 8270D LL	448879
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	EPA 8270D LL	448879
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	EPA 8270D LL	448879
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	EPA 8270D LL	448879
MB 180-448879/1-A	Method Blank	Total/NA	Solid	EPA 8270D LL	448879
LCS 180-448879/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D LL	448879
LCSD 180-448879/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D LL	448879

GC Semi VOA

Prep Batch: 448439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	3541	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	3541	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 448439 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	3541	
MB 180-448439/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-448439/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 448481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 8082A	448483
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	EPA 8082A	448483
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	EPA 8082A	448483
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	EPA 8082A	448483
MB 180-448439/1-A	Method Blank	Total/NA	Solid	EPA 8082A	448439
LCS 180-448439/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	448439

Cleanup Batch: 448482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	3665A	448439
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	3665A	448439
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	3665A	448439
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	3665A	448439

Cleanup Batch: 448483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	3660B	448482
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	3660B	448482
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	3660B	448482
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	3660B	448482

Metals

Prep Batch: 428175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	3050B	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	3050B	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	3050B	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	3050B	
MB 410-428175/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 410-428175/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 430095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	6010D	428175
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	6010D	428175
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	6010D	428175
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	6010D	428175

Analysis Batch: 430311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	6010D	428175
MB 410-428175/1-A	Method Blank	Total/NA	Solid	6010D	428175
LCS 410-428175/2-A	Lab Control Sample	Total/NA	Solid	6010D	428175

Metals

Analysis Batch: 433875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	6010D	428175
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	6010D	428175
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	6010D	428175

Analysis Batch: 434023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	6010D	428175
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	6010D	428175
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	6010D	428175

Analysis Batch: 434763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	6010D	428175
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	6010D	428175
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	6010D	428175

Prep Batch: 448273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	7471B	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	7471B	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	7471B	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	7471B	
MB 180-448273/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-448273/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 448433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 7471B	448273
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	EPA 7471B	448273
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	EPA 7471B	448273
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	EPA 7471B	448273
MB 180-448273/1-A	Method Blank	Total/NA	Solid	EPA 7471B	448273
LCS 180-448273/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	448273

General Chemistry

Prep Batch: 448307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	3060A	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	3060A	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	3060A	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	3060A	
MB 180-448307/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 180-448307/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 180-448307/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 448446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-1	SSHS-IRM5A2-A16A	Total/NA	Solid	2540G	
180-163311-2	SSHS-IRM5A2-A16B	Total/NA	Solid	2540G	
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 448446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-4	SSHS-IRM5A2-A17A	Total/NA	Solid	2540G	
180-163311-5	SSHS-IRM5A2-A17B	Total/NA	Solid	2540G	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	2540G	
180-163311-7	SSHS-IRM5A2-A18A	Total/NA	Solid	2540G	
180-163311-8	SSHS-IRM5A2-A18B	Total/NA	Solid	2540G	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	2540G	
180-163311-10	SSHS-IRM5A2-A19A	Total/NA	Solid	2540G	
180-163311-11	SSHS-IRM5A2-A19B	Total/NA	Solid	2540G	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	2540G	

Analysis Batch: 448533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 7196A	448307
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	EPA 7196A	448307
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	EPA 7196A	448307
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	EPA 7196A	448307
MB 180-448307/1-A	Method Blank	Total/NA	Solid	EPA 7196A	448307
LCSI 180-448307/3-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	448307
LCSS 180-448307/2-A	Lab Control Sample	Total/NA	Solid	EPA 7196A	448307

Prep Batch: 449185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	9010C	
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	9010C	
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	9010C	
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	9010C	
MB 180-449185/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-449185/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-449185/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-449185/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-163311-3 MS	SSHS-IRM5A2-A16C	Total/NA	Solid	9010C	
180-163311-3 MSD	SSHS-IRM5A2-A16C	Total/NA	Solid	9010C	

Analysis Batch: 449333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163311-3	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 9014	449185
180-163311-6	SSHS-IRM5A2-A17C	Total/NA	Solid	EPA 9014	449185
180-163311-9	SSHS-IRM5A2-A18C	Total/NA	Solid	EPA 9014	449185
180-163311-12	SSHS-IRM5A2-A19C	Total/NA	Solid	EPA 9014	449185
MB 180-449185/4-A	Method Blank	Total/NA	Solid	EPA 9014	449185
HLCS 180-449185/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	449185
LCS 180-449185/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	449185
LLCS 180-449185/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	449185
180-163311-3 MS	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 9014	449185
180-163311-3 MSD	SSHS-IRM5A2-A16C	Total/NA	Solid	EPA 9014	449185

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	Z MILLER	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832			
Phone:	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site-	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N						
SSHS-IRM5A2-A16A	10/3/23	1400	G	Solid	N	N	X														4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A16B	10/3/23	1400	G	Solid	N	N	X														4	
SSHS-IRM5A2-A16C	10/3/23	1400	C	Solid	N	N		X		X		X	X	X	X	X					6	
SSHS-IRM5A2-A17A	10/3/23	1415	G	Solid	N	N	X														4	
SSHS-IRM5A2-A17B	10/3/23	1415	G	Solid	N	N	X														4	
SSHS-IRM5A2-A17C	10/3/23	1415	C	Solid	N	N		X		X		X	X	X	X	X					6	
SSHS-IRM5A2-A18A	10/3/23	1430	G	Solid	N	N	X														4	
SSHS-IRM5A2-A18B	10/3/23	1430	G	Solid	N	N	X														4	
SSHS-IRM5A2-A18C	10/3/23	1430	C	Solid	N	N		X		X		X	X	X	X	X					6	
SSHS-IRM5A2-A19A	10/3/23	1445	G	Solid	N	N	X														4	
SSHS-IRM5A2-A19B	10/3/23	1445	G	Solid	N	N	X														4	

180-163311 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained long
☐ Return To Client ☐ Disposal By Lab ☐ Archive For

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	10/3/23 17:00	Geosyntec		10-4-23 0945	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A19C	10/3/23	1445	G	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	10/3/23 1730	Geosyntec		10/4-23 0945	FP, Hauf
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-163311 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS			Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	FJ	N	N	N	N	N	N	N	N	N			X	
SSHS-IRM5A2-A16A	10/3/23	1400	G	Solid	N	N	X												4	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.
SSHS-IRM5A2-A16B	10/3/23	1400	G	Solid	N	N	X												4	
SSHS-IRM5A2-A16C	10/3/23	1400	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A17A	10/3/23	1415	G	Solid	N	N	X												4	
SSHS-IRM5A2-A17B	10/3/23	1415	G	Solid	N	N	X												4	
SSHS-IRM5A2-A17C	10/3/23	1415	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A18A	10/3/23	1430	G	Solid	N	N	X												4	
SSHS-IRM5A2-A18B	10/3/23	1430	G	Solid	N	N	X												4	
SSHS-IRM5A2-A18C	10/3/23	1430	C	Solid	N	N		X		X		X	X	X	X	X			6	
SSHS-IRM5A2-A19A	10/3/23	1445	G	Solid	N	N	X												4	
SSHS-IRM5A2-A19B	10/3/23	1445	G	Solid	N	N	X												4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	10/3/23 17:00	Geosyntec		10/4/23 0930	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☑ Yes ☐ No | Custody Seal No.: 2103162 | Cooler Temperature(s) °C and Other Remarks: 3.3

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone:	PO #: MN0832			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - DER-10 VOA (terracore)	8270D_LL - DER-10 SVOC	8081B - DER-10 Pesticides	8082A - DER-10 PCBs	8151A - DER-10 Herbicides	6010C, 7471B - DER-10 Metals	9014 - Cyanide	7196A - Hexavalent Chromium	537.1 (mod.) - PFAS	SPLP-E, 537.1 (mod.) - PFAS				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N	N	N	N	N	N					
SSHS-IRM5A2-A19C	10/3/23	1445	G	Solid	N	N		X		X		X	X	X	X	X				6	Containers for PFAS sent directly to Eurofins Sacramento. Pittsburgh will log all samples/analyses.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable Skin Irritant Poison B | Unknown | Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Zach Miller	Date/Time: 10/3/23 17:00	Company: Geosyntec	Received by:	Date/Time: 10/4/23 0930	Company: EUROFINS
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 21631162 | Cooler Temperature(s) °C and Other Remarks: 3.7

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-496699.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: David.Dunlap@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 180-163311-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/17/2023			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Former Sperry Remington-Reuse	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3050B As,Ba,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,ZnLance	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-IRM5A2-A16C (180-163311-3)	10/3/23	14:00 Eastern		Solid			X	1	
SSHS-IRM5A2-A17C (180-163311-6)	10/3/23	14:15 Eastern		Solid			X	1	
SSHS-IRM5A2-A18C (180-163311-9)	10/3/23	14:30 Eastern		Solid			X	1	
SSHS-IRM5A2-A19C (180-163311-12)	10/3/23	14:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	10-4-23 1710	[illegible]	[signature]		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 10/5/23 1015	Company [illegible]

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 12 - 4.2 C: 4.0

LM

Ver: 06/08/2021

eurofins | Environment Testing

Sacramento
Sample Receiving Notes

180-163311 Field Sheet

Job:_____

Tracking # : 7735 7620 3020

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: W2 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 2163162

Cooler ID: _____

Temp Observed: 3.3 °C Corrected: 3.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 10/4/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 10/4/23

Notes:_____

Trizma Lot #(s): _____

Ammonium
Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 10/4/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163311-1

Login Number: 163311
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163311-1

Login Number: 163311
List Number: 3
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 10/05/23 11:34 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	